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The
CHEMIST AND DRUGGIST
for RETAILER - WHOLESALER - MANUFACTURER
Established 1859 28 Essex Street, Strand, London, W.C.2. Registered as a Newspaper
No. 3520
VOL. CXLVIII AUGUST 9, 1947 Annual Subscription (with Diary) 30/-. Single Copies 1/-.

'It's made by M&B'
Your customers are attracted by such a recommendation

* 'ZEPHROL' BRAND ephedrine cough syrup. * 'PLANACRINE' BRAND euflavine antiseptic lozenges. * 'SCUROFORM' BRAND butoform, local analgesic in ointment and lozenges.

PROPAMIDINE CREAM - M&B for the treatment of fresh burns, abrasions and other minor superficial injuries.

you yourself know that the product is worthy of your reputation as a pharmacist

* TRADE MARK

MANUFACTURED BY MAY & BAKER LTD.
DISTRIBUTORS
PHARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD., DAGENHAM

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MONSANTO CHEMICALS

FOR THE PHARMACEUTICAL INDUSTRY

ACETYL SALICYLIC ACID BP . . . ASPIRGRAN . . .
SALICYLIC ACID BP . . . SODIUM SALICYLATE BP . . .
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BENZOIC ACID BP . . . VANILLIN . . . PHENOL BP . . .
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PCMC (CHLOROCRESOL BP) . . .
PCMX (CHLOROXYLENOL BP).

Unfortunately many of the above products are, temporarily, in short supply. In the meantime, however, we welcome your enquiries and will be glad to give you full information on present and future availability.

MONSANTO CHEMICALS LIMITED · LONDON SW1

ADEXOLIN · Syrup MINADEX · PREPALIN

Price Increases

From 1st August 1947 the prices of the following Glaxo preparations have been increased on account of rising costs of ingredients, particularly vitamin A. Increases, however, have been kept to an absolute minimum.

ADEXOLIN

CAPSULES:	New Face Price*
100	6/8
1,000 (dispensing size)	52/-
(25's remain unaltered at 2/-)	

LIQUID:	
½-oz.	2/6
2-oz.	8/6
8-oz. (dispensing size)	27/-

PARCELS:	New Net Price
No. 2—1 doz. x 100's capsules	£2.13.4
(No. 1—2 doz. x 25's capsules—remains unaltered at £1.12.0)	
No. 4—2 doz. x ½-oz. liquid ...	£2.0.0
No. 5—1 doz. x 2-oz. liquid ...	£3.8.0

Standard parcels of Adexolin Capsules and Adexolin Liquid will still be available to registered pharmacies direct from Greenford but orders will be subject to allocation arrangements in the light of the fluctuating supply position.

SYRUP MINADEX

	New Face Price*
6-oz.	2/8 plus 4d p.t.
12-oz.	4/8 plus 7d p.t.
80-oz. (dispensing size)	22/8 plus 2/10 p.t.

PREPALIN

CAPSULES:	New Face Price*
25	4/3
100	15/-
1,000 (dispensing size)	100/-

LIQUID: 8 cc.	4/3
AMPOULES:	
6 x 1 cc.	8/6 plus 1/1 p.t.
12 x 1 cc.	15/- plus 1/10½ p.t.

★ *Face Prices are subject to trade discount of 25%*

GLAXO LABORATORIES LTD., GREENFORD, MIDDLESEX. BYRon 3434

FINE AND INDUSTRIAL CHEMICALS

PHARMACEUTICAL PRODUCTS

CRUDE DRUGS

PIGMENTS SOLVENTS

COAL-TAR DERIVATIVES

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LONDON WALL 5241 WIRES: GREEFF, AVE, LONDON

and at

THE ROYAL EXCHANGE, MANCHESTER

BLACKFRIARS 9407-8 WIRES: GREEFF, MANCHESTER

In September..

will appear the first of the new season's

CROOKES HALIBUT OIL

advertisements

. . . and from then onwards, throughout the winter, the demand for this best seller will steadily increase. To meet changing conditions we are introducing a new parcel consisting of 36 x 25 Capsules — Parcel E and this together with the other cash with order parcels listed here are the only ones available for this season. Bonus parcels K and O have been discontinued.

Particulars of our new Window Display Competitions and bonus leaflet/order cards will be available to the trade early in September. To avoid possible delays later in the year we suggest building up stocks now.

CROOKES HALIBUT OIL

STANDARD BONUS PARCELS

	£ s. d.	
PARCEL E 36 x 25 Capsules @ 2/6 Retail	4 10 0	BONUS 3 x 25 Capsules
Less 25%	1 2 6	
	3 7 6	RETAIL VALUE
.. 10%	6 9	
* Amount of cash with order	* 3 0 9	7/6
PARCEL G 12 x 15 c.c. Drops @ 5/- Retail	3 0 0	BONUS 1 x 15 c.c. Drops
Less 25%	15 0	
	2 5 0	RETAIL VALUE
.. 10%	4 6	
* Amount of cash with order	* 2 0 6	5/-
PARCEL H 36 x 5 c.c. Drops @ 2/- Retail	3 12 0	BONUS 3 x 5 c.c. Drops
Less 25%	18 0	
	2 14 0	RETAIL VALUE
.. 10%	5 5	
* Amount of cash with order	* 2 8 7	6/-
PARCEL J 12 x 30 c.c. Drops @ 9/- Retail	5 8 0	BONUS 1 x 30 c.c. Drops
Less 25%	1 7 0	
	4 1 0	RETAIL VALUE
.. 10%	8 1	
* Amount of cash with order	* 3 12 11	9/-
PARCEL L 12 x 100 Capsules @ 8/6 Retail	5 2 0	BONUS 1 x 100 Capsules
Less 25%	1 5 6	
	3 16 6	RETAIL VALUE
.. 10%	7 8	
* Amount of cash with order	* 3 8 10	8/6
PARCEL M 36 x 100 Capsules @ 8/6 Retail	15 6 0	BONUS 3 x 100 Capsules
Less 25%	3 16 6	
	11 9 6	RETAIL VALUE
.. 10%	1 3 0	
* Amount of cash with order	*10 6 6	£1 5 6

PATA

THE CROOKES LABORATORIES LIMITED

PARK ROYAL LONDON N.W.10

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some things remain

safe and certain!

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and Neuralgia

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TELEPHONE - LEEDS 52669-9 TELEGRAMS - 'IDEAS LEEDS'

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A really attractive display pack for your counter and window. The new Bablets outer in blue-and-white contains twelve Bablets cartons, but occupies only 6 by 4 inches of display space.

NEW CARTON!

In tone with the display pack, the carton, too, has been modernised, and Bablets are now presented in a small, neat, wallet-type box containing 36 tablets.

& NEW ADVERTISING

(NOW BEING PREPARED)

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P.A.T.A.

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Bablets

Gently Laxative

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Please note revised retail prices!

Approved by the P.A.T.A., the trade is advis
that since Monday, June 30th. the retail pric
of Moorlands are 9d. for the small size ar
1/6d. for the large size, including purchase ta
Wholesale terms may be obtained on applicatio

Link up with our all-the-year round advertisi
by reminder counter displays.

There is a big future for Moorlands.

On the P.A.T.A. Protected List.

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on the attainment of
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1847 – 1947

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SHAMPOO POWDER
SWEETLY SCENTED

Everyman's
HAIR CREAM

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SCURF and DANDRUFF lotion
2/3
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P.A.T.A

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DENTAL MAGNESIA Regd.

Toothpaste

1/3 AND 2/2

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(obtainable through your wholesaler only)
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★ 'Milk of Magnesia' Tablets are now in unrestricted supply and may be included in your order to qualify for these discounts.

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Though 'Dorsella' for Babies is still in comparatively short supply, our method of equitable distribution assures you of regular supplies—so send your orders now direct to :—

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DORSELLA HOUSE, EVERCREECH, SOMERSET

The Finest Food for Infants

DORSELLA

In Retrospect

★ 'DORSELLA' Milk Food was first introduced to the public over 25 years ago by Prideaux who have been established for more than half a century.

★ BEING associated with the original experiments in drying milk it can be rightly said that Prideaux were pioneers in the great industry which has grown up.

★ 'DORSELLA' is prepared from English milk — from the famous dairying districts of Somerset, Dorset and Wiltshire — hence the name 'Dorsella.'

★ DURING the past 25 years 'Dorsella' has gained its reputation as 'the finest Infant Food' entirely on its own merits, and without the assistance of advertising beyond occasional announcements in this periodical.

★ 'DORSELLA' has been regularly awarded the Gold Medal and Certificate of the Institute of Hygiene for purity and quality.

★ PRIDEAUX continue to receive from grateful mothers, an ever increasing number of unsolicited testimonials, the originals of which can be seen at the offices of the Company.

PRIDEAUX MILK FOODS LTD

Evercreech . Somerset

Constant demand

"ABECEDIN"
Vitamins A-B-C-D

TABLETS

Bottles	21	-	3/6
"	105	-	16/6
"	500	-	75/-
"	1,000	-	148/-

EMULSION

Bottles	4 oz.	-	5/-
"	16 "	-	19/-

FREE from Purchase Tax

-prompt delivery

NAPP

3 & 4, CLEMENTS INN, LONDON, W.C.2

Telephone : HOLborn 1444 *Telegrams :* "NAPPCHEM, LONDON"

Tryst

LIPSTICK

The choice of

"THE WOMAN OF THE WORLD"

- *Six fascinating shades.*
- *Velvet smooth texture.*
- *Indelible – stays fresh & fragrant all day.*
- *Presented in propelling plastic case...6/6 inc. Tax.*

Refills..2/8

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CITRIC ACID. TARTARIC ACID.
CREAM OF TARTAR. ROCHELLE SALTS.
CALCIUM GLUCONATE.
LITHIUM CARBONATE,
CHLORIDE AND HYDROXIDE.
QUALITY GUARANTEED

ANOTHER PAGE FROM THE

STERLING

VOLUME

Page 23

Chemicals

BISMUTH CARBONATE

Formula—approximately $(Bi_2O_2CO_3)_2H_2O$.

Properties. A white or creamy white powder, without odour or taste. Insoluble in water, soluble in mineral acids with effervescence. The bulk density varies with the conditions of manufacture.

Standard. Bismuth carbonate should comply with the requirements of the British Pharmacopœia in all respects. It is usually manufactured in three grades of bulk packing density. Light — 11/13 lb. per cubic foot, Medium — 18/24 lb. and Heavy — over 36 lb.

Uses. Bismuth carbonate is prescribed for many forms of gastric disorder and in conjunction with "ant-acids" such as sodium bicarbonate, magnesium carbonate and calcium carbonate, form the mixtures often known as Maclean's Powders widely used for the alkaline treatment of digestive troubles. It is sometimes used in X-ray diagnosis and as a dusting powder.

Packages. 28 lb. parcels, 1 lb. cartons.

Manufacturers: THOMAS TYRER & CO. LTD.
Stratford, London, E.15

ACIDS (Pure)

BISMUTH SALTS

CITRATES

SCALE PREPARATIONS

ETHER ANÆSTHETIC B.P. and METHYLATED

MERCURIALS

Your customers are being told —

—but it only needs a little bird to whisper to you that to help keep up supplies, empties should be returned as quickly as possible instead of being kept until you have a lot. Transport is still difficult. And, of course—you will remember to send them by the same route and channel as that by which full supplies were received.

Get home on this heavily advertised range!

Damaskin SKINFOOD

Nationally advertised, nationally popular—backed by decorative and diverse display material. Retail Price 5/- & 9/2.

Damaskin ALL-DAY MATT

The new tinted foundation cream that finds favour with Vogue, the key magazine whose unstinted praise forms the foundation of the 'newsy' nation-wide advertising campaign for this highly fashionable cosmetic. Retail Price 5/- & 9/2.

Damaskin HANDCREAM

Attractively perfumed, packed and priced, Damaskin Handcream has been an immediate success. Stockists everywhere report that this line is a steady 'repeater'. Retail Price 6/6.

Sole Distributors :

S. MAW, SON & SONS, LTD.

ALDERSGATE HOUSE, CROMER ROAD, NEW BARNET, HERTS

MANESTY

TABLET MAKING MACHINERY

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OUTPUT 90 PER MIN.

FOR TABLETS UP TO ¾" DIAM.

MANESTY Nº1 TABLET MACHINE

OUTPUT 90 PER MIN.

FOR TABLETS UP TO ½" DIAM.

MANESTY E TABLET MACHINE

OUTPUT 90-100 PER MIN

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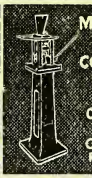

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OUTPUT 2000 COMPACTS PER DAY

MANESTY COPPER COATING PAN

STANDARD SIZE 30" DIAM.

MANESTY B.B.3 ROTARY TABLET MACHINE

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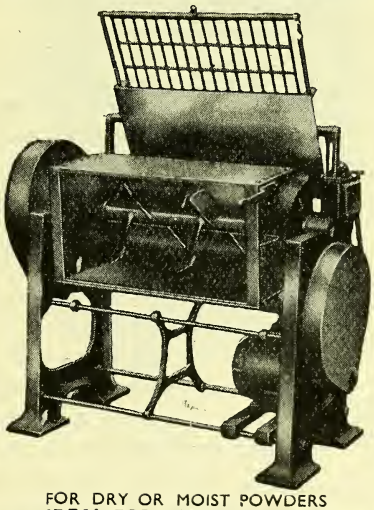
FOR TABLETS UP TO ½" DIAM.

MANESTY MIXER



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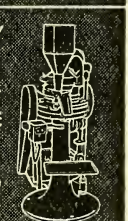
IDEAL FOR TABLET MAKING



MANESTY B3 ROTARY TABLET MACHINE

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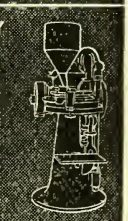
FOR TABLETS UP TO ½" DIAM.

MANESTY Nº2 TABLET MACHINE

OUTPUT 55-220 PER MIN.

FOR TABLETS UP TO 1½" DIAM.



MANESTY D3 ROTARY TABLET MACHINE

OUTPUT 300-350 PER MIN.

FOR TABLETS UP TO 1" DIAM.

MANESTY R.S.1 ROTARY TABLET MACHINE

OUTPUT 168-336 PER MIN.

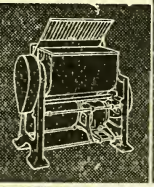
FOR TABLETS UP TO 1⅜" DIAM.

MANESTY OSCILLATING GRANULATOR

OUTPUT 150-224 LBS. PER HOUR

MANESTY MIXER

CAPACITY 100 LBS. OF POWDER



MANESTY Nº3 TABLET MACHINE

OUTPUT 30-400 PER MIN.

FOR TABLETS UP TO 2¼" DIAM.

MANESTY MACHINES LIMITED

5 SPEKE HALL ROAD, LIVERPOOL, 19

TELEPHONE: HUNTS CROSS 1321 TELEGRAMS: MANESTY, LIVERPOOL

Here is one of the charming illustrations specially drawn by Pierre Pagès, and featured in the National Press Advertising under the heading "Today in Bond Street."

BY APPOINTMENT
PERFUMERS TO H.M. THE KING
J. & E. ATKINSON LTD.

Advertising put out by the House of Atkinsons has always been noted for its distinctiveness. But reports received, from both Trade and public alike, suggest that the latest campaign for Gold Medal Eau de Cologne is getting more attention than any so far. This attractive series, under the title "Today in Bond Street," is appealing frequently to millions of women via the National and Periodical Press. The arresting Fashion drawings by the eminent French artist Pierre Pagès are featured in order to remind every woman that Atkinsons Eau de Cologne has its own assured place in the world of fashion.

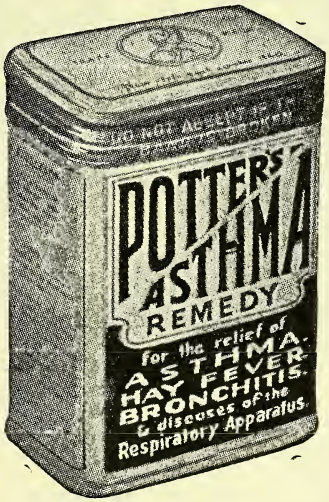
ATKINSONS
GOLD MEDAL
Eau de Cologne

J. & E. ATKINSON LIMITED, 24 OLD BOND STREET, LONDON W.1

AET 2-1062

POTTER'S

ASTHMA REMEDY



Price 2/2 per Tin (inc. tax)
Wholesale 18/- per Doz., plus 3/- per Doz. Tax
Packed in half dozens

Well advertised and world famous
A sound selling line for every Chemist

POTTER & CLARKE LTD

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Johnson's BABY POWDER

is meant for babies only

It's a happy mother who can buy Johnson's Baby Powder to soothe her baby's sensitive skin. But she can't always get it unless retailers keep their stocks only for mothers of small babies.

JOHNSON & JOHNSON (GT. BRITAIN) LTD., SLOUGH AND GARGRAVE

More than 4,000,000 families see the

'SKETOFAX' BRAND ADVERTISEMENTS★

Nation-wide 'Sketofax' advertising reaches its peak this autumn—just when mosquitoes and harvest-mites are proving most troublesome. Be prepared to meet the big demand by ordering stocks of 'Sketofax' today. Arresting show-material is available for your counter and window; the new 'Sketofax' bonus scheme assures a generous profit on all sales. *'Sketofax' Cream Insect Repellent, in display outers containing 12 tubes:* 1s. 4d. *per tube* plus 2d. purchase tax. *'Sketofax' Liquid Insect Repellent, in display outers containing 12 packs of 6 capsules each:* 1s. 4d. per pack plus 2d. purchase tax. Immediate deliveries can be made.

★ *Vigorous advertisements for 'Sketofax' appear in these 35 widely-read journals:—*

ILLUSTRATED
PICTURE POST
EVERYBODY'S
WOMAN
ABERDEEN PRESS & JOURNAL
AMATEUR GARDENING
ANGLING
BICYCLE
CAMPING AND OUTDOOR LIFE
COUNTRY LIFE
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C.T.C. GAZETTE
CYCLING
FAIRWAY & HAZARD
FARMING NEWS
FIELD
FISHING GAZETTE
GARDENERS CHRONICLE
GARDENING ILLUSTRATED
GARDEN WORK
GLASGOW BULLETIN
GLASGOW DAILY RECORD
GOLFING
GOLF MONTHLY
GOLF ILLUSTRATED
MY GARDEN
NORTH SCOTTISH GROUP
OUT-OF-DOORS
PEOPLE'S JOURNAL
POPULAR GARDENING
SHOOTING TIMES
S.M.T. MAGAZINE
SMALLHOLDER
SPORT & COUNTRY
SPORTING LIFE

'SKETOFAX' BRAND

insect repellent

BURROUGHS WELLCOME & CO. (*The Wellcome Foundation Ltd.*) **183 Euston Road, London, N.W.1**

For BACTERIOLOGICAL SUGARS

THOMAS KERFOOT & CO. LTD., VALE of BARDSLEY, LANCASHIRE

K32

Shape of THINGS TO COME

PILLODINES we venture to prophesy, have a bright and promising future ahead of them. These tiny silver coated pillules of specially-treated iodine have striking phophylactic and therapeutic qualities that tackle the common cold in an extremely efficacious and unusual manner. *When dissolved slowly on the tongue they instantly mobilise and bring into action the body defence mechanism.* We are confident that once introduced to this new form of cold immunisation the public will be swift to recognise its virtues. Consequently September will see the launching of Pillodines, commencing with a series of Chemists' window displays featuring the complete 30-day treatment in the new 3/0 one-at-a-time containers. This will be the fore-runner of a vigorous trade and national Press advertising campaign.

WATFORD CHEMICAL CO. LTD.

Telephone: WELbeck 0264/8 130 BAKER STREET, LONDON, W.1 Telegrams: Watchempro', Wesdo, London

The
CHEMIST AND DRUGGIST
For RETAILER—WHOLESALER—MANUFACTURER
Published weekly at 28 ESSEX STREET, STRAND, LONDON, W.C.2
Telegrams : "CHEMICUS, ESTRAND LONDON." Telephone : CENTRAL 6565 (10 lines)

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NEWS OF THE WEEK

National (War) Formulary.—The Ministry of Health announces that the third edition of the National (War) Formulary comes into operation on October 1. Copies will shortly be received by chemists and doctors. (For advance information on the additions and changes incorporated in the new edition see *C. & D.*, June 28, p. 744.)

Dinner to Society's President.—As a tribute to Mrs. J. K. Irvine on her election as first woman president of the Pharmaceutical Society, the National Association of Women Pharmacists is organising a dinner at the Café Royal, Regent Street, London, W.1, on September 10. Tickets (£1 1s. each) may be obtained from Miss E. F. Hayward (secretary), 29 Summerlee Gardens, East Finchley, London, N.2.

Comb Prices.—Under an Order issued recently by the Board of Trade (S.R. & O., 1947, No. 1577), manufacturers' prices for combs revert on August 14 to control under the Prices of Goods Act, 1939, as amended. The maximum price to be charged by regular wholesalers is fixed at the price paid to the manufacturers plus 29.04 per cent. The maximum retail price is fixed at the retailer's purchase price, plus 50 per cent., with the addition of any purchase tax chargeable.

Tax on Baby Powders.—The Commissioners of Customs and Excise have decided that, from August 5, baby dusting powders containing less than 10 per cent. but not less than 5 per cent. of boric acid, but otherwise conforming substantially with similar powders of the B.P.C., become chargeable with purchase tax at 16⅔ per cent. under Class 19 (i), provided no toilet claims are made, instead of at 33⅓ per cent.

Penicillin Act. — The text of the Penicillin Act, 1947, has been published by H.M. Stationery Office (price one penny). The Act covers penicillin, other prescribed anti-microbial organic substances, or synthetic equivalents. A prescription for substances covered by the Act may not be dispensed more than once, or more than three months from the date on which it was signed, unless it expressly directs that it may be dispensed on a specified number of occasions, or at specified intervals in a specified period. The Pharmaceutical Society is empowered to enforce the provisions of the Act in England and Wales.

Presentation to Managing Director. — More than 200 Wharf Road employees of Stafford Allen & Sons, Ltd., were present at a ceremony which took place at the company's London works on July 31, to celebrate the completion by Mr. Kenneth C. Allen (managing director) of fifty years' service with the company. Mr. R. P. Merritt (a director), who presided, said the company was proud of its record and even more proud of its employees of whom four had served continuously for fifty years or more. Mr. Kenneth Allen, the latest to have completed fifty years with the company, was a man whose tremendous energy had done much to bring about the company's success. Other tributes were paid by Messrs. C. A. Blewitt, H. Smith, W. Spence and G. Allard. Mr. H. Arden, the "grand old man" of the company, with fifty-four years' service to his credit, then formally presented a television set to Mr. Allen. Mr. Allen, acknowledging the gift, said he could never have succeeded without the co-operation he had received from so many others. He recalled some of the highlights of the company's history during the past fifty years and hoped that the newer recruits of the staff would get the "Stafford Allen spirit." A toast to Mr. Kenneth Allen was then honoured by all present.

Retail Wage Scales.—The trade union side of the National Joint Industrial Council for Retail Pharmacy, has made proposals to the employers' side for increases in the scale of wages agreed on November 12, 1946 (see *C. & D.*, 1946.II.671). The proposed scale makes no differentiation in salary between male and female qualified staff. Examples of the proposed minimum weekly rates, with the existing rates in parentheses, are as follows: Qualified managers and manageresses, in London, controlling a full-time staff of three or more, £10 10s. (£7 15s. 6d. males, £7 8s. females); qualified assistants, in London, third year, £8 15s. (£6 13s. males, £6 3s. females); unqualified assistants, in London, who have completed articles of pupilage, aged twenty-four, males £6 15s. (£4 18s. 6d.), females £6 (£4 5s. 6d.). Notice has also been given that the employees' spokesmen desire to discuss a reduction in the normal working week as at present laid down and the daily allowance for clearing the shop of customers and making ready for business next day. It is also proposed to substitute time-and-a-half for the present time-and-a-quarter for overtime.

LOCAL NEWS

London Chemists' Golf.—A meeting the London Chemists' Golfing Society w held at Crews Hill, Middlesex, on July 2 In a competition for the Sanger cu Messrs. T. M. Hanning and L. W. Lest each scored 74, and Mr. Hanning was d clared the winner on the results of the la nine holes. The Morny prize was won l Mr. R. Poole, 5 down, with Mr. L. V Lester, also 5 down, runner-up (decided c last nine holes). The Kerfoot trophy w won by Mr. L. W. Lester (30½ points).

Picnic at Chester.—The first post-w picnic to be organised by the Manchest Pharmaceutical Association and Branch the Pharmaceutical Society was held Chester on July 30. The two main attra tions were a cricket match against tl Chester Association, in which Chester we the winners, and a motor launch trip up tl Dee. At high tea, which was served in tl evening, many Chester pharmacists an their friends were present. Mr. H. Stei man (president, Manchester Pharmace tical Association) welcomed the Chest pharmacists, saying that such meetin in neighbouring areas were of great valu and should be extended. Professor F Brindle (chairman, Manchester Branc proposed "The Chester Branch and Asso ciation," which was received with applaus Mr. R. Park Taylor (chairman, Chest Branch) responded.

Presentation at Walthamstow. — At meeting of the Walthamstow Branch of th National Pharmaceutical Union on July 1 Mr. S. T. James in the chair, a cheque wa presented to Mr. W. E. Gaze in recognitio of his services as secretary of the Branc since its inception and as secretary of th Walthamstow Pharmaceutical Associatio since 1920. Mr. J. B. Reynolds, who mad the presentation, said Mr. Gaze had worke hard but unobtrusively for many years an had proved a good friend to all chemist in the area. Mr. James spoke of the valu able help he had received, during his perio of office as chairman, from Mr. Gaze. Mr W. H. Cloud expressed a tribute on behal of the West Ham Association of Pharma cists, and Mr. G. F. Deeth spoke of Mr Gaze's work on the Essex Pharmaceutica Committee and its various subcommittee since 1920. Mr. Gaze, acknowledging the gift, said he hoped to use the cheque to buy a suitable object that would serve as a tangible reminder of his colleagues' good-will and kindness.

IRISH NEWS

Eire Health Bill. — The [Eire] Health Bill, 1947, passed its final stage in the Senate on July 31.

Eire Medals Awarded.—The gold medal of the Pharmaceutical Society of Ireland has been awarded with honours to Miss Niamh Mary A. Kennedy, who served her apprenticeship with Mr. Luke Colleran, Ph.C., Curry, co. Sligo. The Society's silver medal has been awarded to Miss Sarah Grace MacMahon, daughter of Mr. Francis J. MacMahon, M.P.S.I., whose address in the register is 3 Carysfort Avenue, Blackrock, co. Dublin.

Eire Examination Results.—Of fifty-three candidates who sat for the July Licence examination of the Pharmaceutical Society of Ireland, the following were successful: Niamh Mary A. Kennedy (gold medallist); John McAuliffe and Gerald O'Connor (honours); Mary Rosaline Casey, Michael Costello, Mary Elizabeth Flynn, Patrick Gerard Garahy, Valerie Margaret Heffernan, Margaret Hughes, Geoffrey Laurence Vincent King, Maeve Annie Lynch, Francis Noel Moloney, Kevin McElwee, Oona Josephine McHugh, Michael Gerard Dermot McKenna, Thomas O'Dea, Gertrude Mary O'Keefe, Eamon O'Mahony, Margaret Mary O'Sullivan, Mary O'Sullivan, Patrick Malachy Ryder, Joseph Kevin Shaughnessy and Sheelagh Wickham. Of forty-four candidates for the July Assistants' examination, the following were successful:—Joan Carty, Peter J. Finnerty, Mary Bernadette Hogan, Elizabeth Lavin, Kathleen Teresa Masterson, Frances Mary Murphy, Mary Columba Murphy, Sheila Bride McCready, James Edward McLaughlin, Bridget Mary McNamara, James Lasirien O'Bryne, Joseph O'Donnell, Patrick O'Leary, Honoria Ita O'Regan, Thomas Vincent O'Sullivan, Edward Noel Phelan, Margaret Power, Timothy Ryan, Eileen Mary Shanahan, Ellen Spillane, Margaret Stokes, Bridget Mary Tarpey, and Mary Walsh.

LEGAL REPORTS

Unlawful Possession of Opium.—At Birkenhead, on July 2, a Chinese ship's steward was sentenced to nine months' imprisonment, and ordered to pay £135 (treble the amount of duty) on charges of being in unlawful possession of 45 lb. prepared opium.

Settled Out of Court. — A claim by Mrs. Laura Harrower, wife of Mr. W. Harrower, M.P.S., Manchester, which was brought at Manchester Assizes recently against a doctor whom she alleged to have given her an overdose of a gold drug, causing dermatis, was settled on undisclosed terms on July 16.

Pharmacy Act Cases.—At Margate, recently, Harry Simister Picton, Hawley Street, was fined £1 on each of two charges of selling a packet of Do-Do tablets although not an authorised seller, and of selling the tablets in a container not labelled in the prescribed manner.—At Blackburn, recently, Nathan Foster, Bolton, was fined £2 with £3 3s. costs for selling in Blackburn market a preparation known as "Foster's Cer-Kuro ointment for healing and drawing," and, at a second stall, a foot paint. The Pharmaceutical Society, prosecuting, represented that a market stall was not a shop. A similar fine and costs were imposed on James Leach, Oldham.

Prison for Pethidine Taker.—Sentence of ten months' imprisonment was passed at Marylebone magistrates' court, London, recently, on Germaine Braggington, a waitress, Neal Street, Covent Garden, on charges of possessing 100 mgm. pethidine on March 17 and the same quantity of the drug on March 25, contrary to the Dangerous Drugs Act. Three other similar charges were taken into consideration. Accused was originally arrested on a charge of being found in the warehouse of Allen & Hanburys, Ltd., Vere Street, Marylebone, chemists, for an unlawful purpose, but that charge was not now proceeded with. A detective-sergeant said the accused was French by birth, obtained British nationality by marriage, and had been known as a drug addict for some years. On July 11 she visited Messrs. Allen & Hanburys' pharmacy to get a prescription dispensed, and then disappeared from the shop. The dispenser rang for the police. She was found on the third floor, and said she had come to see a chemist, who, in fact, was no longer employed there. During March, continued the officer, she obtained quantities of pethidine on four forged prescriptions in the name of Dr. Freeman, Harley Street, who did not exist. Accused confessed she had written the prescription herself. It was revealed in court that she had had previous convictions for dangerous drugs offences, including a sentence of six months' imprisonment.

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

ANSWERING a question about the shortage of vacuum flasks raised by MR. DOUGLAS MARSHALL on July 28 THE MINISTER OF AGRICULTURE replied that his Department's allocation was 14,000 permits a month for the whole of England and Wales, and the allocation could not be increased at present.

Export Figures

On July 29 SIR FRANK SANDERSON asked the President of the Board of Trade the total values of British exports to the countries of the dollar area and of the sterling area. MR. HAROLD WILSON (Secretary for Overseas Trade) replied, "In the year ended June, total exports, including re-exports to the dollar area, were valued at £112.6 million, and to the sterling area at £525.5 million."

Belgian Gelatin

MR. S. MARSHALL asked the President of the Board of Trade, on July 30, the value of gelatin supplies still available from Belgium under the existing trade agreement. SIR STAFFORD CRIPPS replied that during recent trade discussions with Belgium, it had been stated that £800,000 worth of gelatin would be available for export to this country in 1947. An estimated £400,000 worth had so far been sent.

Linseed Oil and Substitutes

Almost simultaneously with the revelation that the Argentine has been burning linseed oil to keep up the price, MR. CREECH JONES (Colonial Secretary) told the House of Commons on July 30 of efforts to find sub.titute oils within the Colonial Empire. He had already communicated on the subject with the Governments of all territories in which climatic conditions might be expected to allow of the cultivation of linseed. As a result, 4,000 acres in Kenya were to be planted experimentally this year, and trials were also being conducted in Gambia and Mauritius. As seed became available, these tests would be extended to other suitable territories. Tung oil, which had an even higher iodine value than linseed, was already widely grown in Nyasaland, where there was a scheme for its extended growing in the Vipya highlands, if the experiments now proceeding suggested it would be an economic proposition. The trials were also being studied by the Governments of Northern Rhodesia and Tanganyika, and tung growing would be encouraged in these terri tories if the experiments were successful

Oils of lower iodine value than linsee that were possible substitutes and could b produced within the Colonial Empire in cluded rubberseed, soya, candlenut an conophor oils. The Governments of all terri tories suitable for soya bean production ha been circularised, and trials would be under taken. Whether extended cultivation woul be encouraged depended on the results Candlenut oil, produced in Fiji and to lesser extent in Ceylon and Malaya, an conophor oil, derived from a jungle plan in Nigeria and Sierra Leone, were bot technically suitable as linseed oil substitutes but there were difficulties over collectin them.

Man-power in Non-essential Industries

The shutting down of "non-essential" industries was demanded on July 31 by Mr J. A. Sparks, when he raised an adjourn ment debate on the man-power position Mr. Sparks called for rationing of labour based (by the Government) on absolut priority to essential industries, with lowe priority for secondary and productio suspended for at least three years for "non-essential and luxury" industries. MR. H MARQUAND (Paymaster-General), replying said "I can only say that in calling on the Government to draw up a 'three-year' plan, Mr. Sparks was asking them to carry out what they have announced their intention of doing."

PERSONALITIES

MR. J. W. GREEN, M.P.S., contributed a letter on the subject of lost drugs to the "Birmingham Mail," recently.

DR. T. L. HARDY, F.R.C.P., has been appointed to the newly established part-time chair of gastroenterology at the University of Birmingham.

MR. W. P. EWART, M.P.S.N.I., has been co-opted a member of the Council of the Pharmaceutical Society of Northern Ireland in place of the late Mr. J. W. Gray, J.P. Mr Ewart, who is well known in the profession, was educated at Dungannon Royal School, and later served his apprenticeship with Grattan & Co., Ltd., Corn Market, Belfast. He qualified in 1934, and in the same year opened a business at Scotch Street, Armagh, which he still owns.

TOPICAL REFLECTIONS

A Birmingham Discussion

A recent meeting of the Birmingham Branch of the Pharmaceutical Society (p. 139) was marked by healthy differences of opinion. This branch of the Society is among the largest, and its honourable record in pharmaceutical organisation entitles its resolutions to respect. Of the three subjects discussed at the meeting referred to—constitution, education and council elections—the first-named includes the other two. Your necessarily condensed report leads to the inference that other remarks of general interest were made. One speaker objected to the proposal to replace the Charter clause about the protection of those who carry on the businesses of chemists and druggists by a phrase mentioning the honour of the pharmaceutical profession; but we do not know what his alternative proposal, if he made one, was. Another member criticised the published suggestions for revising the Society's constitution as being too general. However, as you pointed out in commenting on these suggestions on April 26, a short Act of Parliament is preferable in the circumstances to a supplementary charter; and it will be as well for the Society not to be too rigidly limited by the terms of a new Act. A safeguard against oppressive by-laws could, and should, be provided in that Act. As to canvassing for election to the Council, I entirely endorse the Branch's resolution that the good sense of members of the Society would produce results as effective as any restrictive measure. Much of the uneasiness and some of the unrest in the country are undoubtedly due to the fondness of people "in a little brief authority" for treating their public as if dealing with children; the less bureaucracy we have the better.

Is Quinine a Necessary Medicine?

Your editorial article on the market position of quinine and your citation of the price in 1897 (pp. 146, 149) lead me to ask, at the risk of being charged with heresy, whether quinine is still a necessary article of materia medica. There was a time when its price was an important consideration. In your issue of June 15, 1863, you alluded to a statement by a Dr. Chambers to the effect that many institutions had at that time been compelled to discontinue the use of this medicament on account of its dearness. English quinine sulphate was then quoted in your Trade Report at 6s. 6d. per oz. A later *C. & D.* table shows that by 1909 the price had come down to 8½d. per oz. During the first world war some of our troops in the Near East were so heavily dosed with quinine that temporary loss of sight followed: one wonders whether that was the only adverse consequence. For large-scale administration as an antimalarial sufficient Paludrine is, I believe, available. For routine treatment in neuralgia and pyrexia, to say nothing of general tonics, surely medical practitioners can think of satisfactory alternatives. Many patients endure the discomfort of unpleasant symptoms during the administration of quinine salts under the impression that these symptoms are a normal part of the process of getting better. But why should they? I venture to suggest that quinine is an overrated medicament, and that no harm would result if it were consigned to a list of drugs kept in reserve as alternatives.

Pharmaceutical Pottery

It was pleasant to see, after an interval, an illustration of some pharmacy jars in your last week's issue (p. 149). I always find it difficult to decide whether such jars or their former contents are the more interesting. The specimens you have just depicted show typical features of Delft-ware—the basket of flowers, the two peacocks and the cherub. Not all Delft-ware is decorated in the same way, nor has all of it a maker's mark. Electuaries, a type of galenical indicated on the labels on both the jars referred to, were formerly in great favour with physicians and apothecaries. A Venetian drug tariff of the year 1583 includes sixty-seven kinds. So comprehensive a list could hardly miss the theriaca of Andromachus and the mithridatium of Damocrates (both retained in the Pharmacopœia Londinensis till 1788). The price of the mithridatium in the Venetian list was two-thirds that of the theriaca; we must assume that the cost was carefully worked out! Another electuary listed was Requies Nicolai, a sedative attributed to Nicolaus Præpositus, of Salerno, who flourished in the twelfth century; but "E. Req: Pueror:," about the meaning of which, as you suggest, there is room for discussion, does not appear. The idea of devising opiates for children did not originate, perhaps, before about 1700: the earliest known advertisement by John Fisher, of Cheshunt, "Physician and Chymist," of his Godfrey's Cordial appeared on December 23, 1721.

Xrayser

COMPANY NEWS

British Surgical Houses, Ltd. (P.C.).—Capital £100. To carry on the business of wholesale and retail dealers in adhesive plaster, surgical dressings, orthopædic and other appliances. Frank W. Robinson and Mrs. Mary M. G. Robinson, directors. R.O.: 48 Higher Bridge Street, Bolton.

Silverthorn Manufacturers, Ltd. (P.C.).—Capital £1,000. To carry on the business of manufacturers and distributors of proprietary medicines, toilet articles, etc. Ernest G. Ingram and Elsie M. Ingram, directors. R.O.: 4 College Gardens, Chingford, London, E.4.

Manston Medical Products, Ltd. (P.C.).—Capital £5,000. To carry on the business of manufacturers of and dealers in patent medicines, medicated tablets and lozenges, drugs and prepared foods, chemists, druggists, etc. John Dyson, M.P.S., and William L. Fowlds, M.P.S., directors. R.O.: 4 Piccadilly, Manchester, 1.

Marshall (Sera) Co., Ltd. (P.C.).—Capital £2,000. To acquire certain patents for an invention relating to the preparation of serum for use in the treatment of cancer and other diseases, and to adopt an agreement with Blanche F. Marshall and Mr. Cornelius H. Breijer. Mrs. Blanche F. Marshall and Robert M. Marshall, directors. R.O.: 2 Howard Street, Strand, London, W.C.2.

Kenmak, Ltd. (P.C.).—Capital £5,000. To carry on the business of importers and exporters of and dealers in pharmaceutical chemicals and other preparations, natural and chemical fertilisers, tanning materials, etc. Frederick McKenzie, 25 Ruabon Road, Didsbury, Manchester, 20, and Jim Keighley, 13 Lee Street, Woolley Bridge, Hollingsworth, directors. R.O.: 11 Peter Street, Manchester.

W. Oswald Davies & Son, Ltd. (P.C.).—Capital £3,500. To acquire the business of W. Oswald Davies & Son, formerly carried on by William O. Davies and Rhys C. Davies at 10-11 Church Street and 2 Mill Street, Pontypridd, and to carry on the business of dispensing and consulting chemists, dealers in surgical instruments, proprietary articles, toilet and other requisites, etc. William O. Davies, M.P.S., Rhys C. Davies, Ph.C., and John V. Harris, M.P.S., directors. R.O.: 10-11 Church Street, Pontypridd.

J. & E. Atkinson, Ltd.—Net profit for the year 1946 amounted to £38,420, against £54,481 in the previous year. An ordinary dividend of 10 per cent., tax free, is recommended, the same as 1945.

Camwal, Ltd.—In a recent circular sent to ordinary shareholders, the board of the company state that they are not prepared to recommend for acceptance the offer of The Ely Brewery Co., Ltd., to purchase shares at 23s. per share.

A. Kershaw & Sons, Ltd.—Net profit for 1946 amounted to £23,908, against £15,698 in the previous year. Dividend on "A" preference shares was 8 per cent., the same as in 1945, and on "B" preference shares, 12½ per cent., compared with 6¼ per cent. in 1945.

Bourjois, Ltd.—Mr. R. G. Pattinson sales manager, Mr. G. R. English, general soap manager, and Mr. C. H. Leedham secretary, have been appointed to the board of directors. Mr. O. T. Jones has been appointed secretary to succeed Mr. Leedham.

Beecham Group, Ltd.—At the annual general meeting of the company on July 30, Sir Stanley Holmes, chairman and managing director, referred to a proposed issue of deferred shares which would be made in September. It would be confined to deferred shareholders only, on terms which would be advantageous to the holders.

British Glues & Chemicals, Ltd.—A final dividend on the ordinary stock of 20 per cent. is recommended, making 25 per cent. for 1946, compared with 15 per cent. in the previous year. Progress in home and export trade of Calfos, Ltd., a subsidiary, was reported to shareholders at the annual general meeting of the parent company.

BUSINESS CHANGES

Ascotts Pharmacies (1933), Ltd., have acquired the business known as Davy's Drug Store, Ltd., 181 High Street, Penge.

The Minister of Health has appointed Mr. J. M. K. Hawton a deputy secretary to the Ministry.

Sheffield & Ecclesall Co-operative Society, Ltd., have opened a new pharmacy branch in Greystones Road, Sheffield.

Mr. J. B. Lloyd, M.P.S. (chief pharmacist, Salford Royal Hospital) has been appointed chief pharmacist at Manchester Royal Infirmary.

Hirst, Brooke & Hirst, Ltd., Sheepscar Works, Leeds, 7, have appointed Mr. A. C. Daykin, M.P.S., as their representative for the South Yorkshire area.

Mr. W. Bryan, M.P.S., F.S.M.C., has purchased the business of Mr. W. Wilson at 5 Darlington Street, Wigan, and is carrying it on under the title Wilson & Co.

Boots, Ltd., have appointed the following territorial general managers in Scotland: Mr. R. F. Grant, Glasgow area, in place of Mr. M. Gillespie who retired on July 28; Mr. R. C. M. Dickson, Edinburgh area; Mr. H. J. Fraser, Aberdeen area. Mr. A. J. Ironside, formerly territorial general manager for the Edinburgh area, has been placed in charge of the company's Scottish estates department.

BIRTH

WILLIAMSON.—At Elsie Inglis Memorial Hospital, Edinburgh, on July 29, Molly (née Conly), the wife of James Crawford Williamson, M.P.S., 79 Main Street, West Calder, of a son.

DEATHS

EATON.—On July 18, Mr. Edgar Smith Eaton, Chatsworth House, 10 Devonshire Place, Eastbourne, formerly of 29 Hitherfield Road, Streatham, London, S.W.16, aged sixty-nine.

ELLIOTT.—On June 29, Miss Laura Sophia Elliott, M.P.S., 34 Fore Street, Saltash, Cornwall, formerly of Brixton, London, S.W.2, aged forty-seven.

EVANS.—On July 21, Mr. David George Evans, M.P.S., 14 Princes Gardens, London, N.W.7, aged sixty-five.

HISLOP.—On July 23, Mr. Isaac Hislop, 11 Roman Drive, Bearsden, Glasgow, formerly of Upper Skelmorlie, Wemyss Bay, aged eighty-four. Mr. Hislop qualified as a chemist and druggist in 1893.

ISAAC.—On July 20, Mr. Leonard Robert Isaac, 37 Tiverton Drive, New Eltham, London, S.E.9, aged forty-five.

LEIGH.—At his residence, 36 Hawthorn Lane, Wilmslow, Manchester, on July 29, His Honour Judge Thomas Bowes Leigh, LL.D., B.Sc. (chairman of Kay Bros., Ltd., Stockport). Judge Leigh was a Daltonian Mathematical Exhibitioner of Manchester University. He was called to the Bar at the Middle Temple in 1901. Since his retirement from the Bench in 1942 he had been chairman of many public bodies, and was first president of the Manchester and District Medico-Legal Society.

LEWIS.—While on an operational flight during the 1939-45 war, Mr. Alun Oliver Lewis, M.P.S., 36 Gelli Road, Ton Pentre, Rhondda, Glam. Mr. Lewis qualified in 1937.

MCLEAN.—At the Orcadia nursing-home, Burntisland, Fife, on July 30, Mr. Moltke McLean, 53 High Street, Kinghorn, aged seventy-six. Mr. McLean had been for forty-seven years in business in Kinghorn, Fife. He served for many years as a local town councillor and magistrate. The funeral took place on August 1.

POPHAM.—On July 28, Mr. Henry Nicholas Popham, 14 Beaconsfield Road, Low Fell, co. Durham, aged seventy-seven. Mr. Popham qualified as a chemist and druggist in 1893.

WILLS

MR. HENRY LOGSDAIL, M.P.S., 96 Church Lane, Charlton, formerly of Seacroft, Beach Road, Heacham, Norfolk, left £1,864, with net personalty £1,801.

MRS. FLORENCE AMY FOWLER, 78 Bridge Street, Peterborough, a director of Sturton & Sons, Ltd., chemists, left £938, with net personalty £899.

MR. WILLIAM THOMAS TREADAWAY, 79 Western Road, Leigh-on-Sea (formerly connected with the Australian drug trade), left £1,583, with net personalty £1,554.

MRS. GEORGINA SARAH SHIRTLIFF, 64 Bruce Grove, Tottenham, London, N, widow of William E. D. Shirtliff, M.P.S., left £2,774, with net personalty £2,725.

MR. HORACE REGINALD WILLIAM FORSTER, PH.C., 1 Glenfield Crescent, Ruislip, Middlesex, left £7,064, with net personalty £1,267.

MR. COLLINGWOOD LUNN, Woodsome Lane, Kirkburton, nr. Huddersfield, manufacturing chemist, left £692, with net personalty £657.

MR. OSBOURNE RONALD HATRICK, 18 India Street, Glasgow (a director of W. & R. Hatrick, Ltd., manufacturing chemists), left £39,669.

MR. ARTHUR EDWARD LING KNIGHT, M.P.S., 27 Cranbourne Drive, Pinner, Middlesex, left £6,846, with net personalty £2,196.

MR. STEPHEN ROBSON MUNDELL, M.P.S., 17 Esplanade Gardens, Scarborough, formerly of Ben Rhydding, left £7,740, with net personalty £7,661.

MR. ROBERT INGLIS, M.P.S., 21 Struan Gardens, Cathcart, Glasgow, formerly of Sherwood Pharmacy, Glasgow Road, Paisley, left £971.

MR. ALEXANDER NEWLANDS TAYLOR, M.P.S., 56 Henson Grove, Airedale, and 129 Carlton Street, Castleford, Yorks, left £3,523, with net personalty £3,385.

MR. HENRY ROBERT KERR BELL, M.P.S., 10 King Edward Road, Newcastle-on-Tyne, formerly of Belford House, Haltwhistle, Northumberland, left £2,909, with net personalty £2,859.

MR. ALFRED MURCH HANKINSON, 59 Grosvenor Road, Ilford, Essex (a director of Hankinsons, Ltd., druggists, Ilford and Manor Park, London, E.12), left £8,851, with net personalty £6,745.

MR. ARTHUR WILLIAM DOWN, 5 Harewood Road, South Croydon, Surrey, surgical instrument maker, founder and governing director of Down Bros., Ltd., left £33,032, with net personalty £32,887.

MR. HUMPHREY JONES, 24 Market Place, Penygroes, Carnarvon (a director of Humphrey Jones & Sons, Ltd., Carnarvon and Penygroes), left £6,661, with net personalty £4,526.

TRADE NOTES

Five-day Week.—Wright, Layman & Umney, Ltd., 44 Southwark Street, London, S.E.1, are now operating a five-day week.

Price Change. — Glaxo Laboratories, Ltd., Greenford, announce new prices for penicillin-Glaxo freeze-dried sodium salt in vials of 100,000 and 200,000 units.

Showcases.—Potters (London), Ltd., 97 St. John Street, Clerkenwell, London, E.C.1, are introducing a number of new types of showcases, one of which is illustrated on another page of this issue.

Sole Distribution.—Dr. Weil's Medical Products, Ltd., 12 Westwood Road, Barnes, London, S.W.13, have been appointed sole distributors for the asthma inhalant and other products manufactured by Bronchovydrin (1945), Ltd.

Product Name Changed.—Burroughs Wellcome & Co., 183 Euston Road, London, N.W.1, are now issuing as Physeptone the analgesic *dl*-2-dimethylamino-4:4-diphenylheptane-5-one hydrochloride, originally introduced as Miadone. Supplies are available from the manufacturers.

To Increase Tomato Yields.—Shell Chemicals, Ltd., 112 Strand, London, W.C.2, have introduced, under the name Tomato-Set, a substance designed to overcome the non-setting of fruit on tomato plants. The product is a standardised compound of growth-regulating substances; it is issued in 24-oz. bottles, each yielding 3 gall. of ready-for-use spray.

New Invalid Food.—An announcement appears in this issue about Inglis food, prepared for A. & R. Scott, Ltd., Colinton, Midlothian, by John Inglis & Sons, Ltd., Edinburgh. The makers claim that the preparation is so balanced as not to stimulate an excessive amount of acid, and to absorb acid produced during its assimilation. The product is a specially refined oat flour to which have been added iron, phosphorus, calcium, and vitamins B_1 and D.

"Industrial Wales" Exhibition. — Among exhibitors at an "Industrial Wales" exhibition to be held at Olympia, London, W.14, August 28—September 13, are the following:—Durex Abrasives, Ltd., Elephant Chemical Co., Ltd., Gnome Photographic Products, Ltd., Graesser Salicylates, Ltd., International Optical Co., Ltd., Imperial Chemical Industries, Ltd., Koray, Ltd., Monsanto Chemicals, Ltd., and Nu-Pax, Ltd.

Sulphacetamide Preparations.—Britis Schering, Ltd., 167 Great Portland Stree London, W.1, have issued pamphlets dea ing with the indications and properties c Albucid sulphacetamide eye-drops, issue in bottles of ½-oz. of a 10 or 30 per cen solution of *p*H 7.4, with sponge or pipett applicator, and with Dermucid, a prepara tion containing 6 per cent. Albucid in vanishing-cream base, available in packs c 12.5, 25 and 50 gm.

Distribution Arrangements.—A cam paign to promote the sale of four of the specialities is being launched by Carlto Pharmaceutical Industries, Carlton House 78 Bollo Bridge Road, London, W.3, o September 1. The preparations are Chi balm for reducing chilblains; antisepti Spot Balm, based on a non-staining flavine Peach Balm antiseptic baby cream, an Flower Petal borated dusting powder. Th sole selling agents are Meggeson & Co Ltd., Llewellyn Street, London, S.E.16.

Proprietary Articles Trade Association

Alterations to Protected List (Part 1).—*Portlan Plastics, Ltd.* Recently given increased prices fo Portex medicated plastic skin apply only to bottles prices for tubes are unchanged. Details are:— Bottles, 14s. 4d. doz., tax 2s. 5d. doz., inclusiv retail price 2s. Tubes, 12s. doz., tax 2s. doz., i.r.p 1s. 8d.

Wilson's Chemical Products, Ltd., B.D. bunio dressing, 27s. doz., tax 4s. 6d. doz., inclusive reta price 3s. 4½d.

James Woolley, Sons & Co., Ltd., Towle's chloro dyne, ½-oz., 10s. doz., tax 1s. 8d. doz., i.r.p 1s. 3½d.; 1½-oz., 2s. 9½d., 24s. 6d. doz., tax 4s doz., i.r.p. 3s. 1½d.

Glaxo Laboratories, Ltd., Adexolin capsules 100's, 6s. 8d., 60s. doz.; dispensing pack (1,000) 52s., 39s. each (both exempt from tax). Prices o Adexolin capsules, 25's, unaltered. Adexolin liqui (exempt from tax), ½-oz., 2s. 6d., 22s. 6d. doz 2-oz., 8s. 6d., 76s. 6d. doz.; dispensing pack (8-oz.) 27s., 20s. 3d. each. Minadex (syrup), 6-oz., 24s doz., tax 4s., i.r.p. 3s.; 12-oz., 42s. doz., tax 7s. i.r.p. 5s. 3d.; dispensing pack (8-oz.), 22s. 8d., 17s each., tax 2s. 10d. each. Prepalin capsules, 25's 4s. 3d., 38s. 3d. doz., 100's, 15s., 135s. doz.; dis pensing pack (1,000), 100s., 75s. each. Prepali liquid, 8-c.c., 4s. 3d., 38s. 3d. doz. (exempt fron tax). Prepalin ampoules, 6 x 1-c.c., 76s. 6d. doz. tax 12s. 9d. doz., i.r.p. 9s. 7d.; 12 x 1-c.c., 135s doz., tax 22s. 6d., i.r.p. 16s. 10½d.

Alterations to List (Part 2).—*Luft-Tangee (London), Ltd.*, Tangee lipsticks, large, 42s. doz., ta 42s. doz., i.r.p. 8s. 9d.

Osborne, Bauer & Cheeseman, Ltd., Glymie jelly, tubes, 7s. 10d. doz., tax 7s. 10d. doz., i.r.p 1s. 6d.; 13s. doz., tax 13s. doz., i.r.p. 2s. 6d.

ALIEN PHARMACISTS' REGISTRATION

THE text was published on August 5 of a Medical Practitioners' and Pharmacists' Bill, which was formally given a first reading in the House of Commons on August 4. The principal purpose of the Bill is to dispose finally of various war-time problems associated with the admission to the British Medical Register of doctors possessing only qualifications obtained abroad.

A second section concerning pharmacists is given in full below:—

Part II.
Pharmacists.

9.—(1) The power of the Council of the Pharmaceutical Society of Great Britain to make by-laws under section two of the Pharmacy Act, 1852, shall include power to make by-laws as to the registration as pharmaceutical chemists or as chemists and druggists under the Pharmacy Act, 1852, and the Pharmacy Act, 1868, of persons holding or having held a diploma as a pharmacist granted in a place outside the United Kingdom, or having passed the examinations necessary for obtaining such a diploma, providing for their registration (subject to such conditions as may be prescribed by the by-laws) either—

(*a*) without examination in the United Kingdom, and without satisfying any requirements to which they would be subject apart from this section under by-laws made by virtue of paragraph (*a*) or (*c*) of section four of the Poisons and Pharmacy Act, 1908 (which relate to preliminary practical training and periods and courses of study); or

(*b*) subject to requirements as to examination in the United Kingdom, or to any such requirements as aforesaid, relaxed as compared with those to which they would be subject apart from this section.

(2) The provision to be made by virtue of this section may include provision requiring the payment, as a condition of registration, of such fee as may be prescribed by the by-laws:

Provided that no such requirement shall be imposed in the case of persons who, having been registered as pharmaceutical chemists or as chemists and druggists by virtue either of Regulation 32c of the Defence (General) Regulations, 1939, or of section five of the Polish Resettlement Act, 1947, are so registered at the expiration of the said Regulation and of the said section five.

(3) Such persons as are mentioned in the proviso to the last preceding subsection shall remain registered, notwithstanding the expiration of the said Regulation 32c or of the said section five, but subject to the provisions of the Pharmacy and Poisons Acts, 1852 to 1941, relating to the removal and erasure of names from the register, for a period of six months beginning with the passing of this Act.

(4) Paragraph (*b*) of section four of the Poisons and Pharmacy Act, 1908 (which confers power to provide by by-laws for the registration as pharmaceutical chemists or as chemists and druggists, without examination, of certain persons, including persons holding colonial diplomas) shall cease to apply to any person by virtue of his holding a colonial diploma, and accordingly the words "of any persons holding colonial diplomas or" in that paragraph are hereby repealed, and any by-laws made by virtue of that paragraph shall cease to have effect so far as regards registration of any person by virtue of his holding such a diploma, but without prejudice to any registration effected before the passing of this Act.

CHEMICALS FROM PETROL

THE increasing importance of the chemicals from petroleum industry is demonstrated in a further major development announced by the Anglo-Iranian Oil Co., Ltd., recently. This company, in which the Treasury has large holdings, and the Distillers' Co., Ltd., have concluded in principle an agreement to form jointly a new company to engage in the manufacture in the United Kingdom of chemicals from petroleum, in close association with the refining interests of the former. The capital required for this new venture is estimated to be of the order of £5,000,000 and will be held equally by Anglo-Iranian and Distillers. It is not yet known whether the new works will be situated at either of the Anglo-Iranian refineries at Llandarcy and Grangemouth. The plant is expected to produce industrial chemicals and also basic materials for the plastics industry. Earlier in the year Shell Chemicals, Ltd., announced plans (see *C. & D.*, May 10, p. 537) for the erection of new plant at Thornton-le-Moors, Cheshire, for the production of chemicals of all kinds from petroleum. Output of this plant, which is expected to be ready for production in 1948, may mean a considerable reduction in United Kingdom imports of chemicals. Another company, Petrochemicals, Ltd., was formed in 1946 with similar objects; part of the finance for this project, for which pilot plant at Partington, nr. Manchester has been in operation for some time, is being provided by the Finance Corporation for Industry.

Too Good.—A Glasgow man, ill and in much pain, telephoned the doctor, who could not come. However, knowing the case, the doctor instructed the patient to take two of the tablets he had left on a previous visit, which would ease the pain until the morning. The tablets, however, were not taken. "You see," explained the patient, "the last time I took them they cured my pain in about five minutes. If they can do that they must contain some powerful drug, and I wasn't taking any risks."—"Glasgow Herald."

CHEMICAL CONGRESS SECTIONAL LECTURES

CLOSE on 400 papers were read at the sessions of fourteen sections (covering inorganic, physical and organic chemistry; biochemistry; chemistry in relation to agriculture, zoology, food, medicine, fuel, textiles, plastics, metals and cosmetics, and chemical engineering) of the International Congress of Pure and Applied Chemistry held recently in London. Subjects related to pharmacy were dealt with in papers the essence of which is given in the following brief notes:—

Penicillin Production.—A. H. Campbell.—The change from surface to submerged culture of the penicillium mould was essentially only a change in the manner of aeration. Much of the information concerning surface and submerged culture is empirical, and there is need for fundamental work on the metabolism of the mould in submerged culture. With the discovery of the varying therapeutic efficacy of the different penicillins, crystalline penicillin G (II), as sodium or potassium salt, bids fair to become established as the most effective natural pencillin with an exceptional heat stability which, only a year or two ago, would have seemed remarkable.

Principle of Garlic. — (A. Stoll and E. Seebeck).—By cautious working-up of the bulbs of *Allium sativum* L. and *Allium ursinum* L. it is possible to isolate an odourless crystalline substance which melts with decomposition between 163° and 165°C and has the composition $C_6H_{11}O_3NS$, $\frac{1}{2}$ H_2O. [a] D^{20} $=+62.8°$. Alliin is inactive against micro-organisms. If an aqueous solution is mixed with a preparation of an enzyme obtained from garlic, an antibacterial activity against both gram-positive and gram-negative bacteria appears, and at the same time the unpleasant odour of garlic is noticeable. Before extraction, the bulbs were frozen by the authors in solid carbon dioxide (to prevent enzyme action), and powdered.

Penicillin and Glutamic Acid Assimilation.—E. F. Gale and E. Shirley Taylor.—The assimilation of glutamic acid is dependent upon a supply of energy, and the free amino-acid concentrated within the cell acts as a source of glutamic acid for protein synthesis. The addition of penicillin to growing cultures of *Staphylococcus aureus* is followed by a falling in the level of glutamic acid within the cells. Studies on the assimilatory powers of the cells show that a progressive impairment of glutamic acid assimilation is set up following the addition of penicillin to growing cells. The stores of free glutamic acid within the cells are therefore used up and protein synthesis ceases. In discussion Sir Howard Florey warned that there was no general distinction in pencillin sensitivity between gram-positive and gram-negative organisms.

Licheniformin: a New Antibiotic.—R. K. Callow.—*Bacillus licheniformis,* an organism of the *B. subtilis* group, produces material having antibiotic activity against *Mycobacterium phlei* (used for its assay), *M. tuberculosis* and other bacteria. From cultures on a large scale, concentrates have been prepared and partial purification achieved. The material of highest activity is the hydrochloride of a base (C 41.0; H, 7.5; N, 17.4; Cl 8.4 per cent.) amorphous, but giving a crystalline helianthate. A relationship to streptomycin is suggested by the presence of guanidine groups.

Hæmopoietic Substances in Human Anæmias.—J. V. Dacie and J. C. White.—In pernicious anæmia degenerative changes in the alimentary tract lead to deficiency of the hæmopoietic principle. The nature of the principle is uncertain, but it can be highly concentrated in extracts of liver. Researches upon growth factors of wide biological significance have culminated in the synthesis of a pteroyl-glutamic acid with power to induce remission in pernicious anæmia similar to that of concentrated liver extract. Synthetic folic acid appears distinct from the liver principle, but exerts a closely similar effect on the megaloblastic marrow.

Determination of Folic Acid.—Muriel Meiklejohn.—A modification of Tepley and Elvehjem's method for the microbiological assay of folic acid is described. Folic acid is an essential growth factor for *Streptococcus fæcalis,* and the rate of growth of the organism as measured by the production of titratable acid is proportional to the amount of folic acid present in a medium otherwise nutrionally complete. Subculturing *S. fæcalis* as recommended by Tepley and Elvehjem on yeast glucose agar stabs does not maintain the organism in a suitable form for the assay of folic acid. How to keep *Streptococcus fæcalis* in a suitable state of metabolic activity was outlined by the author.

PHARMACISTS ON EXECUTIVE COUNCILS

A FURTHUR list of pharmacists nominated by Pharmaceutical Committees to serve on Executive Councils set up under the National Health Service is given below. A first list was published on July 12, p. 51.

BARNSLEY, Messrs. J. A. Kemp and G. H. Rock.

BERKSHIRE, Messrs. J. O. Johnstone, Wallingford, H. F. Breakspear, Maidenhead.

BIRKENHEAD, Messrs. F. Haworth and F. Snow.

BOOTLE, Messrs. W. E. Shepherd and L. D. Parry.

BRADFORD, Messrs. R. Booth and J. W. Kitching.

BRISTOL, Messrs. D. G. Cooper and S. G. Tydeman.

BUCKINGHAMSHIRE, Messrs. F. T. Taylor, Newport Pagnell; and C. Sangster, Farnham Royal.

CHESHIRE, Messrs. G. Hinchcliffe, Dukinfield; and A. Simpson, Stalybridge.

CHESTER, Messrs. H. Fishwick and J. Veitch.

CORNWALL, Messrs. C. G. Treverton Jago, Wadebridge; and A. C. Cannon, Truro.

CUMBERLAND, Messrs. A. J. Eves, Wigton; and W. H. Wandless, Whitehaven.

DARLINGTON, Messrs. R. H. Walker and N. Willis.

DEVON AND EXETER, Messrs. W. A. Burnage, Tavistock; and J. W. Lake, Exeter.

DEWSBURY, Messrs. H. Moorhouse and J. W. Phillips.

GATESHEAD, Messrs. J. R. Moffatt and A. D. Wyllie.

ISLE OF ELY, Messrs. J. A. Gardiner, Ely; and E. J. Wright, March.

KENT, Messrs. J. E. French, Sittingbourne; and A. A. Bone, Chislehurst (since deceased).

LANCASHIRE, Messrs. F. A. Williamson, Preston; and F. Hindle, Preston.

LEEDS, Messrs. W. F. Kemp and T. Shooter.

LEICESTERSHIRE AND RUTLAND, Messrs. E. A. Tomblin, Oadby; and A. H. Preston, Loughborough.

NORFOLK, Messrs. J. F. Collin, Norwich; and R. N. Dewhurst, Norwich.

NORTHAMPTONSHIRE, Messrs. P. R. Duncan, Irthlingborough; and F. R. Fell, Wellingborough.

PETERBOROUGH, SOKE OF, Messrs. A. Duffield and H. Whitwell.

READING, Messrs. C. C. Carter and W. L. Pullen.

SMETHWICK, Messrs. A. M. Carr and L. H. Teare.

SALFORD, Messrs. R. O. Jones and H. Stout.

SALOP COUNTY, Messrs. H. B. Eldred, Shrewsbury; and W. J. Jones, Shrewsbury.

SOUTHEND-ON-SEA, Messrs. A. Atkinson and J. G. Cowe.

SOUTH SHIELDS, Messrs. W. Darling and E. Michelson.

SUNDERLAND, Messrs. S. Bruce and A. R. Riley.

WAKEFIELD, Messrs. C. R. Duffin and F. R. Rymer.

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WARRINGTON, Messrs. E. W. Twiss and E. Hill.

WARWICKSHIRE, Messrs. C. Davis, Leamington Spa; and F. McBeath, Warwick.

WEST HARTLEPOOL, Messrs. W. O. Richardson and J. Wilson.

WESTMORLAND, Messrs. W. L. Mayson, Kendal; and P. Vogt, Kendal.

WIGAN, Messrs. W. Gabbott and A. J. Hope.

WILTSHIRE, Messrs. J. H. Aplin, Trowbridge; and C. G. Higgins, Calne.

WORCESTER, Messrs. G. A. Turner and H. S. Coverdale.

WORCESTERSHIRE, Messrs. P. C. Harris, Droitwich; and D. G. Pout, Worcester.

WOLVERHAMPTON, Messrs. A. Frost and C. M. Warner.

YORK, Messrs. B. Brooke and J. Saville.

YORKSHIRE, EAST RIDING, Messrs. P. J. Annison, Beverley; and C. Morrow, Hornsea.

YORKSHIRE, WEST RIDING, Messrs. C. S. Challinor, Castleford; and T. Heseltine, Normanton.

COMING EVENTS

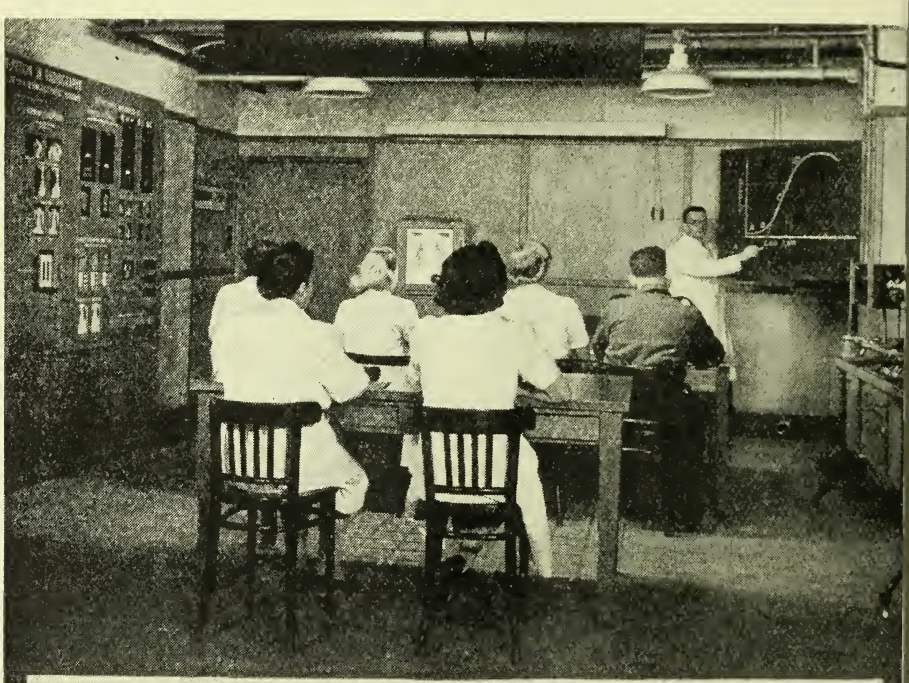
Tuesday, August 12

EAST METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, Stratford Church Institute, 27 Romford Road, London, E.15, at 8 p.m. Discussion, opened by Messrs. R. B. Davies and J. E. Watts, on pharmaceutical education and the Society's Charter.

Thursday, August 14

WOLVERHAMPTON CHEMISTS' ASSOCIATION. Motor coach tour to Malvern, leaving Walfrina Street, Wolverhampton (opposite Technical School) at 2.15 p.m. Tickets (11s. 6d. each including tea) from Mr. J. Foster Taylor, Showell Circus, Wolverhampton.

BIRMINGHAM PHARMACEUTICAL ASSOCIATION is arranging a dinner and theatre party to see a performance of "Romeo and Juliet" at Stratford-on-Avon on Wednesday, August 27, coach leaving Birmingham at 3 p.m. Applications for seats should be sent, with remittance (dinner and theatre 14s. 6d., coach 7s.), to Mr. D. J. Rushton, 1088 Stratford Road, Birmingham, 28.



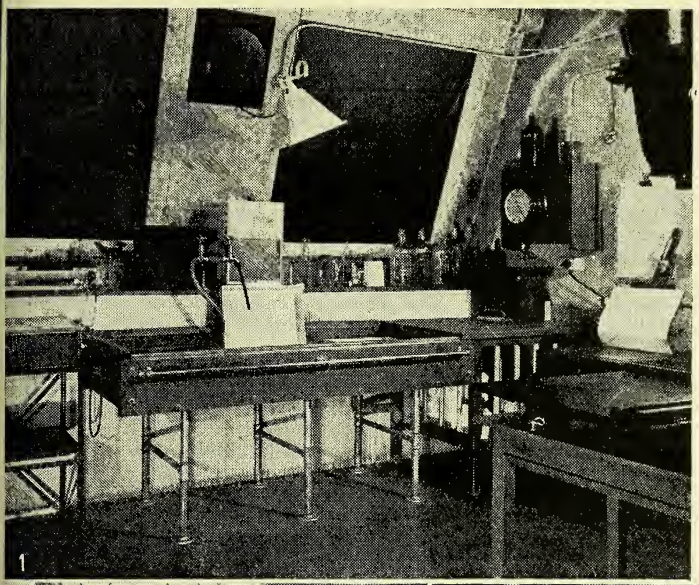
CLINICAL PHOTOGRAPHERS AT SCHOOL

MEDICAL photography is now a subject that may be taken in the final examination of the Institute of British Photographers, No examinations have yet taken place, but the first is likely to be held, it is understood, early in 1948. The subject has been included for some years in the syllabus for the Institute's preliminary and intermediate examinations. Recently a medical group, open to medical photographers and to doctors, was set up under the auspices of the Royal Photographic Society.

Uses of Photography in Medicine

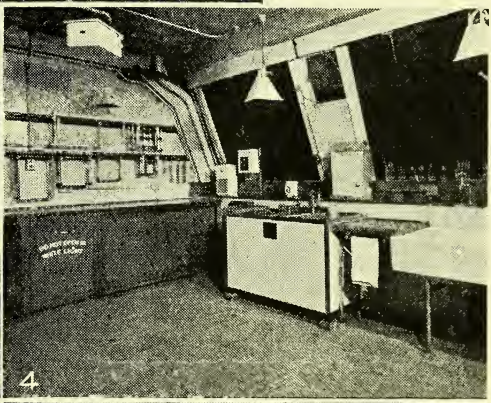
The uses of photography in medicine are so numerous and varied, in fact, that in the larger hospitals full-time clinical photographers are needed. In smaller institutions the rôle may be doubled with that of radiographer, but both tasks demand a higher degree of skill and knowledge than can be left to the haphazard accumulation of rule-of-thumb knowledge. There must be organised instruction. On the medical side the tuition remains the exclusive concern of the medical profession, but in teaching photographic techniques the obvious authorities are the manufacturers of photographic material. For almost twenty-five years Kodak, Ltd., have provided facilities of some kind, and in some measure, for training in clinical photography. In recent years there has been organised, at the company's offices at Kingsway, London, W.C.2, a specialised school of clinical photography and medical radiography, with its own premises, staff, apparatus, and processing rooms.

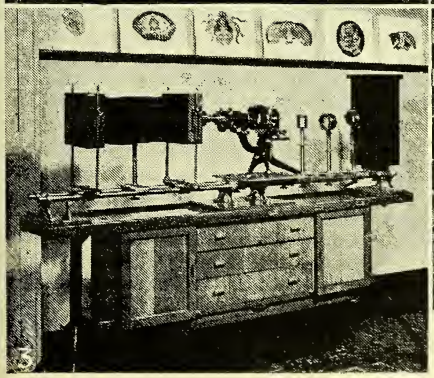
By invitation, a member of the editorial staff of the *C. & D.* visited the school recently, saw students at work, and learned from the principal (Mr. T. A. Longmore, A.R.P.S.) what the school aims to achieve and the methods it adopts for the purpose. The "students" — usually already the holders of appointments in hospitals—go up for short courses in clinical photography, or medical radiography, or both. In five-day, ten-day or fifteen-day courses

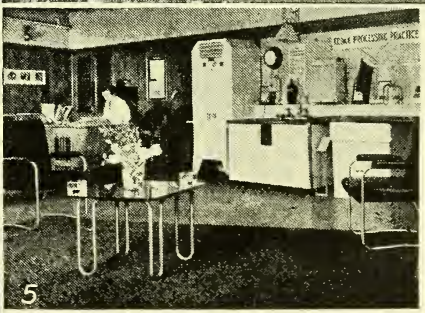


AT THE KODAK SCHOOL OF MEDICAL PHOTOGRAPHY

1. Equipment in clinical photographic dark-room.
2. Students relax in their common room.
3. Photomicrographic bench.
4. Radiographic dark-room, showing *X*-ray processing unit and dry-loading bench.
5. Showroom and reception counter.







they are given intensive training in photographic techniques, and provided with an unrivalled opportunity of becoming acquainted with a far wider range of equipment than they would normally handle in any institution to which they may be attached. The writer can vouch for the "almost personal" instruction to which a prospectus of the school refers, for the classes are restricted to half a dozen students at a time, and he saw one such class on terms of ease and confidence with their instructor. The courses included lectures, demonstrations, discussions and practical work. The following syllabus of a five-day course is typical:—

CLINICAL PHOTOGRAPHY

First Day.—Lecture 1: Light and lenses. 2, Photographic emulsions and chemistry. 3, Image formation. 4, Basic principles of photographic lighting and systems.

Second Day.—Lecture 1: Characteristics of negative materials. 2, Filters. Practical demonstration of i, half-plate clinical camera; ii, auxiliary equipment; iii, general darkroom procedure; iv, mixing photographic solutions.

Third Day.—Practical work: Negative making. (a) of charts, using process films; (b) using ortho film; (c) using panchromatic film; and (d) using panchromatic film and filters.

Fourth Day.—Lecture 1: Characteristics of photographic papers. 2, Principles of contact printing and finishing. Practical: Printing of previous day's negatives.

Fifth Day.—Lecture 1: Errors in negative and prints. 2, Blocking-out and spotting. Practical work: Reduction and intensification. Correction of negative faults in the printing process. Examination of work done and general discussion.

The lectures and demonstrations are reinforced in a novel way in which the handiwork of the company's display department is apparent. Permanent exhibits illustrating points made in the lectures, or faults and their correction, are arranged on the walls in panels of transparencies illuminated from behind. Thus the student can study the points at leisure, and assimilate them at his own pace, without having to rely on catching every word of an orally given lecture.

Extent of Department

It will be apparent that a department of substantial size is involved. The accommodation comprises a clinical section with its own workroom and darkroom; a radiographic section with its own workroom and darkroom, and a lecture room common to both. The students are given their own rest room as a "sanctuary" in which they are at entire liberty to do what they please, without even the very mild restraint that may be felt in working as the guests of a commercial concern. Also in the department are a reading room, with library of reference books, and a meeting room, which is available for, say, groups of doctors who desire to have a demonstration of some *x*-ray or other technique. Of great service to institutions faced with the problems of installing clinical departments must also be a medical showroom, where the latest types of processing equipment may be examined and, if needs be, demonstrated before purchase.

Help Given to Students

Apparatus installed in the showroom is, of course, that which is manufactured by Messrs. Kodak. Students at the school have the advantage of being able to use not only the latest models of such apparatus, in routines found most efficient by the company and instructional staff, but also—in the workrooms—some of the most modern *x*-ray cameras and other instruments manufactured by leading instrument makers other than the sponsors of the school. The help given by the school's instructor will be recognised as of inestimable value when it is remembered that problems of clinical photography arise not only from its twofold application in making records, for both professional and instructional purposes, and in teaching, but also from the varied circumstances (in ward, out-patient department, operating theatre, etc.) in which the photographer may be called upon to use his camera. On the one hand he may be asked to produce photomicrographs, copies of documents, or, on the other hand, to take what amounts to a studio portrait. He must be competent to solve problems of choice or handling of camera, supporting or mounting it in non-vertical positions, lighting, or the correct choice of sensitive material to suit special purposes

From large institutions, orders for sensitive material for use in clinical photography may usually be placed direct with the manufacturers. Smaller hospitals, and a growing number of doctors who make use of their camera in their medical practice, are potential customers well worth the pharmacist's while to cultivate.

RECENT RESEARCH

Photographic Penicillin Assay.—A "cup plate" method of penicillin assay, which is based on intensifying photographically faint zones of inhibition visible on the plates after a few hours' incubation, and which reduces the time of the process to three hours, is described by Gogan and others ("Journal of the American Pharmaceutical Association" (scientific edition), March, p. 65). As normal cells of *Staphylococcus aureus* differ in affinity for silver from those under the influence of penicillin, it was assumed that, after impregnation with silver, the seeded layers of incubated plates would act like a photographic emulsion, and that light would produce a latent image. Seeded plates, prepared in the normal way, were, therefore, treated with silver nitrate solution, exposed to light (from fluorescent lamps), and the latent image developed, using photographic reagents. In addition to speed, advantages of the method are linearity of the standard calibration curve, and extension of the useful range to nearly twice that of the conventional method of assay.

Absorbable Glove Powder.—As the use of talc for surgical glove powder has serious limitations, a non-irritating biologically-absorbable powder has been sought. Correll and Wise ("Science," May 16, p. 529) have investigated the possibility of rendering gelatin flour almost insoluble in water, yet amenable to proteolytic digestion *in vitro* and possibly to phagocytosis. They have shown that when finely-ground gelatin is heated in an electric oven at 145° C., its solubility (and tackiness on the damp hands) approached a minimum after twenty-five hours. The product was digested by pepsin. In *in vivo* experiments samples of the powder were injected into the peritoneal cavities of rats, and when the animals were killed after four or five weeks, no signs of granulomata or adhesions, and no trace of the injected powder, were in evidence.

Anti-midge Veils.—A head veil made with suitable rot-proof netting, and impregnated with dimethylphthalate, is described by the Department of Health for Scotland. The veil is claimed to have a number of advantages over a D.M.P. cream as a protective against midges. Veils made of netting (of mesh 4/16 in. by 5/16 in.) were impregnated by soaking in a bath of D.M.P., the excess being removed by wringing out and hanging up in the open air. Afterwards they were packed in tins for distribution. Experiments showed that, whereas repellent creams give protection for two to three hours, the veils retain their full effect for several days. Suitable design ensures that the veils may be quickly put on and taken off, and comfortable in wear. Stored loosely in the pocket, a veil retains its efficiency for five or six days. Stored in metal containers (such as flat 2-oz. tobacco tins) their efficiency lasts for as much as twenty days. Oiled silk was found unsatisfactory as a container, but batiste and grease-proof paper were suitable. A net kept in a tin requires re-impregnation from time to time, and it is suggested that the tin should contain a small clamping pad that can be moistened when necessary, with D.M.P. The Scientific Advisory Committee to the Department of Health for Scotland is shortly to publish a report on the subject.

A PHARMACIST'S ANTHOLOGY

In these compartments, accurately warmed, ventilated, and isolated from each other, the experimental animals were kept. In Room F, Miss Theta was delicately feeding pieces of raw horseflesh into an electric mincing machine, the horseflesh being the protein constituent of the food ration for the albino rats. . . . "These," said Miss Theta, "are the rats. Control A, normal diet without salts. Groups C and E, normal proteins and fats only plus 'SUNSAP' in duplicate. Group F, normal protein only, plus 'SUNSAP.' Group G, 'SUNSAP' only. Groups H, I, J, K, L, M, accessory growth factors; five breeding pairs per unit, duplicated" . . . . "How long have this lot been having 'SUNSAP'?" he asked, returning to the point. "Ten days." "And none of them died; isn't that promising?" "Statistical examination of the mortality rates will be necessary before we can make any statement about that; it must be correlated with increase in body weight and fertility factors."

Pry, whose idea of testing "SUNSAP" was just to feed it to the beasts and see if it killed them, was a little taken aback by the complexity of the investigations that he had set in train.

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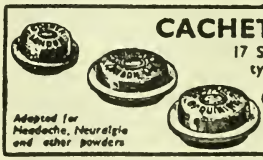

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Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire.
VOL. CXLVIII AUGUST 9, 1947 NO. 3520

Costs of Compounding

It has become apparent that the basis on which the compounding fees chargeable under The Chemist and Druggist Dispensing Price List system have been calculated is due for revision. The Dispensing Price List (first published as The Chemist and Druggist Retail Price List in January, 1922), was based upon the findings of an inquiry carried out in 1915 into dispensing charges under the National Health Insurance Scheme. Certain modifications were made to meet the devaluation of money which took place in the interim and a further change was made necessary in 1940 when the Prices of Goods Act was introduced, owing to the need to separate the function of the list as a guide to charges to be made for dispensing from the function of a retail price list. Since that time, the only adjustments that have been made, other than in the regular rise or fall in drug costs, have been to include purchase tax where chargeable and to incorporate the increased cost for containers.

A distinctive feature of the costing method adopted by The Chemist and Druggist is that it includes a "special note on costing" covering a number of charges such as time, labour and establishment costs. The dispensing fee is based upon the value given to the professional skill and time allotted to a particular operation, rather than to a general scale of fees, according to size and quantity: a method that is not actuarially sound and has not been used in The Chemist and Druggist price list or to any proportionable extent, for that matter, in the National Health Insurance Drug Tariff. The rising costs which go to make up the dispensing fee were recognised by the Ministry of Health recently, when a 33⅓ per cent. increase was granted after negotiations carried out by the National Pharmaceutical Union. The figure was accepted by the contractors with the proviso that they still recognised it as an inadequate basis for payment. The difficulty of arriving at an accurate cost appropriate to current conditions will be generally appreciated. Such a figure can only be obtained after a reassessment of costs in the dispensing department, such as is now being undertaken by the Joint Committee on a National Pharmaceutical Service.

As an interim measure, however, it has been decided to increase by approximately one-third the standard compounding fees given on page 1 of the Dispensing Price List, as now issued annually with The Chemist and Druggist Diary and Year Book. It may well be that, with the introduction of a National Health Service, the dispensing department will have to bear a higher proportion of the overhead charges of a pharmacy than it has borne in the past when, as is well known, this section of the pharmacist's turnover was subsidised to a considerable extent by the remainder of his business. The new scale of compounding fees is given in detail below:—

		s.	d.
Uncompounded medicines of whatever nature		0	8
Lotions, liniments		0	10
Emulsions, ointments, powders (mixed, in bulk)		1	0
Pills	doz.	1	3
Suppositories, bougies, pessaries	doz.	1	9
Powders, separate	doz.	1	0
Cachets	doz.	1	8
Capsules, hard	doz.	1	4
Eye drops, aseptic		1	6
Ampoules, filling and sterilising	doz.	3	6
Oculenta, sterilised		2	6
Special registration fee of medicaments		0	3
Silvering, varnishing and otherwise coating pills ...	doz.	0	3

In introducing it we appeal to chemists, as we have many times done in the past, to code all prescriptions when first dispensed, so that no doubt will be occasioned in the minds of the patient as a result of different prices being charged for an identical preparation at different pharmacies.

U.S. Standards for Imports

THE importance of increasing British exports to the United States needs no emphasis and anything which may assist in furthering them merits consideration. For this reason we welcome a booklet, published by the U.S. Food and Drug Administration, which serves to guide foreign manufacturers and shippers through the shoals and shallows of the import requirements of the U.S. Food, Drug and Cosmetic Act of 1938. Reports which reach us show that each week quantities of goods reaching the United States are turned back by the authorities at the port of entry, and in many instances it appears that, if exporters had acquainted themselves more fully with the import requirements, their goods might not then have been barred from entry. In other instances, by no means few in number, exporters could have saved themselves the expense of shipment, for no changes in preparation, packing or labelling would make their goods acceptable.

In the introduction to the guide, some indication is given of the wide scope of the regulations and several typical examples are quoted such as that of a spice supplier whose first shipment to the U.S. was rejected at the port of entry because, the guide states, "something was said about filth and insanitary conditions." Instances are given of a foreign manufacturer of a medicinal preparation who found that it was not allowed in because it was a "new drug" (any drug "not generally recognised among experts as safe for use under the conditions prescribed, recommended or suggested in the labelling"), and of a cosmetic manufacturer who was not aware of the restrictions on the dyes that may be used in such products. The introduction anticipates criticism of the requirements of the Act but insists that "while lack of full understanding of its provisions . . . . may make import control at times appear burdensome, the object and effect of the import provisions are to facilitate, not obstruct, legitimate trade." The principal provisions for drugs, medicines and cosmetics are concerned with health and sanitary safeguards, standards of strength or potency, label statements and "prohibited deceptions." Special attention is drawn to the statutory definitions of "food," "drug," "cosmetic," etc., and in numerous instances goods may fall into more than one category. The reasons which have been given for the detention of crude drugs are the presence of filth, such as rodent excreta and insects, musty or mouldy condition, deficiency in active principles, excessive foreign matter (e.g., stems with leaf drugs, or soil on roots) and "spuriousness" (e.g. substitution of *H. muticus* for the official *H. niger*). The booklet is listed as Miscellaneous Publication No. 2 and copies may be obtained from the U.S. Assistant Commercial Attaché, Grosvenor Square, London, W.1.

Health Poll

A NEW feature of the Registrar-General's return, introduced in the report for the first quarter of 1947, is a section giving the results of a sample inquiry into the prevalence of sickness during October, November and December, 1946. Each month 2,900 different people over sixteen, selected to give a representative sample of the population, were interviewed by Social Survey workers and questioned about their health during the previous two months. Although similar sample inquiries have been undertaken for the Ministry of Health since 1944, the results have not previously been published in this form. The current return gives them in a series of tables showing the incidence and severity of illness and injury, days of incapacity, number of medical consultations, and incidence of sickness in certain occupations and income groups. In November, 1,570 out of 2,523 men interviewed, had suffered from some illness or injury; 1,090 of them had consulted a doctor. 2,441 out of 3,182 women complained of illness and injury; 1,420 of them had consulted a doctor. Colds and influenza caused many more days of incapacity in November than any other single illness, res-

piratory diseases and rheumatism being the next most disabling conditions.

The news will be welcomed that results of later inquiries are to be included in later issues of the Registrar-General's quarterly return. Information provided by such inquiries is of great value in adjusting the health services to the needs of the community. It is chiefly of service, of course, in enabling the Ministry to modify its own programme and policy in the light of the information provided by the survey, but the facts are no less valuable and informative for other classes, including chemists.

A YEAR OF RADIO-ISOTOPES

The first sale of radioactive isotopes produced in a uranium pile for medical and biological use was made almost exactly a year ago. Since then the Clinton Laboratories, Oak Ridge, U.S.A., have made over 1,000 deliveries throughout the United States and the territory of Hawaii, and the production of more than 100 different isotopes is now proceeding, according to an anniversary report of the U.S. Atomic Energy Commission, "at an unprecedented rate."

The initial delivery was of radioactive carbon 14, and the research team working with it at St. Louis, Missouri, succeeded in tagging a cancer-producing agent, methylcholanthrene.

Among work being conducted on radioisotopes is that at the Tulane University's School of Medicine, New Orleans, where radioactive sodium as a tracer is being used to determine causes and cure of œdema in congestive heart failure. Workers at Los Angeles using radio-phosphorus have shown that the heart contains accessory channels which could take over when occlusion or clogging of the normal channels occurs. At Washington University's School of Medicine, St. Louis, radioactive phosphorus has been used for treatment of chronic leukæmia, and radioactive iron, the report states, is being used in the study of anæmia. Radioactive phosphorus in the form of a solution of sodium phosphate is administered either by intravenous injection or by mouth. The solution is colourless, and has no taste, and Reinhard has reported difficulty, the report continues, in convincing patients that they are taking "anything besides plain water." New York City's Memorial Hospital has undertaken an intensive research programme employing radioisotopes in the study and treatment of cancer.

The National Institute of Health, of the U.S. Public Health Service, has found that radio-sulphur can be incorporated into crystalline penicillin if the penicillin mould is grown on media containing the isotope. By using radioactive penicillin the course of the drug can be traced through the body. The institute also is using radio-isotopes to tag bacteria, and tuberculosis studies are already under way. It is believed that many forms of bacteria can be tagged with radio-phosphorus and their means of entrance to the body and their action determined by tracer technique. In agriculture radio-phosphorus is being used to study the action of phosphate fertilisers in the soil. The effects of small amounts of minerals such as copper and cobalt, on growth of pastures, and on cattle grazing on those pastures, are also being investigated.

Radioactive cobalt is being used to trace plant material consumed by insects, and information may be obtained to enable a more effective control of insect pests to be made. Radio-isotopes, particularly carbon 14 in form of carbon dioxide, are being used at various research centres to study photosynthesis.

Radioactive substances are transported, the report points out, through normal channels, in specially constructed containers. The amount of lead shielding in the containers varies with the amount of isotope and energy of radiation, and a container used, for example, for transporting average quantities of I.131 weighs between 100 and 150 lb. The radioactive material is first placed in a glass bottle, which is then inserted in an air-tight stainless steel cylinder. The cylinder in turn, is placed inside a lead shield which is supported firmly inside a stout wooden box. Directions for opening the lead shield are placed inside the box, which is then sealed for transport. The box is finally checked to ensure that the amount of radiation at the surface is not above the tolerance value.

The Commission compares the significance to scientific endeavour of the discovery and use of radioactive isotopes with that of the microscope. The cost of the isotopes has been reduced from, for example, 1,000,000 dollars per millicurie of carbon 14 (when made in cyclotrons) to 50 dollars for the same amount made in the chain-reacting pile.

Pierson, Morrell & Co., Ltd., Queen's Road, Barnet, state that since the inception of the company in 1914 the technical direction has been entirely in the hands of Mr. George Francis Morrell, Ph.D., B.Sc., F.R.I.C.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

Meetings of Council

MEETINGS of the Council of the Pharmaceutical Society were held in London on July 30 and 31, Mrs. J. K. Irvine (president) in the chair.

Scholarship Awards, 1947

The following Scholarship awards were approved: *Jacob Bell Memorial:* Arthur Edward Lee; *First Leverhulme:* David Brian Cowell; *Second Leverhulme:* Stanley George Webster; *Manchester:* Audrey Rothwell. On the recommendation of the Greenish Memorial Scholarship Committee, the scholarship for 1947-48 has been awarded to Maurice James Williams.

Hospital Equipment Standards

THE SECRETARY reported that the British Standards Institution was setting up a committee to standardise hospital equipment and had asked the Society to appoint two representatives. The work of the new committee, he said, might have a bearing on what the Codex Committee was doing. The Council decided to nominate Messrs. T. D. Whittet (chief pharmacist of Charing Cross Hospital) and T. C. Denston (editor of the Codex).

Ex-Service Examinees

MR. C. W. MAPLETHORPE moved an Education Committee recommendation to allow anyone who had served in the Forces before January 1, 1947, to be referred in two subjects on the occasion of a first entry for the Intermediate, Chemist and Druggist, or Pharmaceutical Chemist examination. MR. T. HESELTINE moved as an amendment that reference in three subjects instead of two should be allowed; he pointed out that many of the men concerned had been away from their studies for five or six years. Soldiers, he said, had a right to expect that something should be done for them. The amendment was negatived and the recommendation adopted, but the Council later adopted, by nine votes to eight, a motion moved by MR. HESELTINE and seconded by MR. H. STEINMAN,

> "That a person who served in H.M. Forces before January 1, 1947, may be referred in three subjects on the occasion of a first entry for the Chemist and Druggist examination; upon re-entry the three subjects must be passed at one sitting."

Greetings to Chemical Society

The following message has been sent by the Council to the Chemical Society:—

> The officers, Council and members of the Pharmaceutical Society of Great Britain send cordial greetings and congratulations on the occasion of the celebraton of the centenary of the Chemical Society. As the pioneer body of its kind the Chemical Society has been associated in a unique manner with the progress of chemistry during the last hundred years and enjoys universal admiration and respect for the way in which it has maintained the highest traditions and standards of science.
>
> The Pharmaceutical Society gratefully acknowledges the debt which pharmacy owes to the Chemical Society for its labours in advancing chemistry. Notwithstanding the growing importance for pharmacy of other branches of science, chemistry finds ever increasing application to pharmacy in controlling the purity, improving the methods of production and expanding the range of medicinal substances and preparations. The history of medical treatment in modern times testifies to the profound effect of chemical advances upon therapy and the great potentiality of chemistry as a weapon in the conquest of disease.
>
> In the wider sphere of knowledge the achievements of chemistry in extending the understanding of and mastery over nature are one of the principal features of the century during which the Chemical Society has been in existence. They have not only improved the conditions of life in many ways but have given a powerful impetus to the general progress of humanity by their contribution to an appreciation of the value of the scientific method in the solution of human problems.
>
> The Chemical Society can take pride and satisfaction in its long and distinguished record and look forward to a future in which its services will be no less needed than in the past. The Pharmaceutical Society extends its best wishes for the continued prosperity of the Chemical Society and the further development of its work for the cultural and material benefit of mankind.

Committees' Minutes in Private

THE VICE-PRESIDENT (Mr. H. C. Shaw), after previous notice, moved that a resolution passed by the Council in July 1937, to the effect that the reports of all Committees should be presented in public, should be rescinded. It had been pointed out in June, he said, that the minutes of certain committees were not being presented in public. The purpose of the motion was to regularise the position. MR. W. DEACON, seconding, said that the motion would clear the way for another resolution making the minutes of the Law and Publications Committees exceptions to the rule of presentation in public. MR. T. HESELTINE opposed taking the Publications Committee minutes *in camera*. He knew the argument was that some of the business should not be disclosed, but surely that part could be dealt with later in the agenda if the Council found it necessary.

Mr. J. F. McNeal said he had raised the subject because the Council was not honouring its earlier decision. He agreed that there were many things that could not be taken in public—they could trust the Council to decide which. He agreed with the motion.

Mr. H. M. Hirst called attention to a resolution which, he said, had been passed in March 1932, that members of the Society should be admitted to the Wednesday morning meetings of the Council. Mr. A. R. Melhuish thought Mr. Hirst was correct, but that it had later been found impossible to provide accommodation in the present Council chamber. He believed the plans of the new building provided for a public gallery.

The motion was passed *nem. con.*

Motion to Exclude Press

Mr. C. W. Maplethorpe moved the following motion of which he had given notice:—

> "That the Council hold their meetings entirely in private in future and that a report of the proceedings be issued to the Press as at present."

It had been obvious, he said, from discussions at recent Council meetings that there was confusion in members' minds about what should be taken in public and what in private. The issue was simply the question by what channel the membership of the Society should learn about business conducted at Council meetings. The Council clearly had a duty to ensure that the membership was informed as fully as circumstances warranted, and the membership had a right to such information. He was not proposing any attempt to evade responsibility, but felt that the practice of having a portion of the meeting open to the Press was not conducive to the most efficient discharge of the Council's business and not necessary for carrying out the Council's responsibility to members. The issue of a report of the Council's proceedings and its publication in the Society's official organ was in his opinion all that was needed to keep members informed about what the Council was doing. That procedure was already followed, and the report was also sent to the other pharmaceutical papers. If members had complaints to make about the nature or extent of the report issued, that was a matter in respect of which they could make their influence felt on the Council in various ways. Ultimately the issue was in their own hands.

So much for members, said Mr. Maplethorpe. Did the public character of the Society's work require that meetings should be open to the Press? Other bodies carrying out public duties of a similar kind appeared to fall into one of two classes: they were either professional organisations of similar composition to the Society (i.e., bodies which do not exist simply for the purpose of performing a statutory function), or they were *ad hoc* bodies set up by statute to do certain work. His information was that of two bodies in the first category neither conducted the meetings of its governing body in public or admitted the Press to them. The position of the second type of organisation he found a little different. One organisation had no rule against admitting the public or the Press to its meetings, but apparently the opportunity was only rarely seized. Another admitted Press and public, but they were not present as of right, since the body reserved the power to withhold the privilege of admission whenever it thought fit. He thought the evidence collected showed that to conduct Council meetings in private would be consistent with the character of the Society. In his opinion the constitution of the Society made the Council responsible only to its own members. It was not called upon to inform the public or any section of it about its proceedings. In so far as the interests of the public needed protection, this was achieved by the presence on the Council of nominees of the Privy Council, by the necessity for the Privy Council to approve by-laws, regulations, and the appointment of examiners, and by the appointment of Privy Council Visitors to the Society's examinations.

The disadvantages of the existing arrangement were that the Council was not free to give undivided attention to subjects under discussion: speakers must continually think how much of what they were saying could properly be said in public. It is true that the committee flag could be raised, but the passage from open Council to committee and back again introduced a further disturbing element into the proceedings. The presence of the public Press lowered the dignity of the Society and encouraged members to speak with one eye on the Press. They undoubtedly got unbalanced reporting of Council proceedings when the public Press was present. A Councillor might make an unguarded remark, which he might correct in his subsequent speech; the remark was picked out and amplified and a distorted impression created.

The Treasurer seconded the motion.

A "Thin" Case

Mr. F. G. Wells protested. Members of Council complained of lack of enthusiasm among members, and of lack of voters, and he found that members did not know what members of Council were doing. At every meeting where he had been asked the question he had promised to support publicity. An

"issued" report must be to a certain extent biased. MR. T. HESELTINE supported Mr. Wells. MR. J. F. MCNEAL said Mr. Maplethorpe had put forward a thin case. Members met on Tuesday nights and discussed then what they did not want to discuss on Wednesday mornings. They had a system whereby they could place things out to a Committee, and the chairman could say he would take a given item after the public session. He had expected Mr. Maplethorpe to bring concrete cases where the Press had abused privileges, but he had not done so. He had received letters on the subject from many members of the Society, and in not one case was it suggested that he should support the motion. When everyone was complaining about the Council's refusal to have the Press present, and they were having that discussion on a Tuesday night instead of Wednesday morning, there was some justification for saying that, on a Wednesday morning, it would have been rejected by a large majority.

MR. H. M. HIRST declared that one-sided reports were given in the Society's own journal and instanced an editorial issue on the Joint Committee. MR. E. A. BROCKLEHURST said that Mr. Maplethorpe had put his case well, but he would oppose the motion because it would create a wrong impression throughout the country. If they excluded the Press, the country would think they had something to hide—possibly rightly. It would be better to continue to admit the Press to the presentation of all Committee minutes except those of the two that had been mentioned.

MR. C. DAVIS said he supported Mr. Maplethorpe "to the hilt." He believed that people who complained that the Council did not tell them what they were doing must have managed to read the "Journal" without taking it out of its cover. He did not agree that those reports were biased or prejudiced in any way. They did not include all the little bits of repercussion and their hits at each other during meetings, which, he saw in correspondence, someone wished to have included. That would be a great mistake. His opinion was that they did better work in private, and got on with it better.

"Popular" Line Not Necessarily Right

THE TREASURER (Mr. W. S. Howells) said he had been impressed with the case made by Mr. Maplethorpe. He was all for a democratic set-up, but the popular line was not necessarily always the right line. There were things that they felt to be right and would like to support, but they might not do it if the debates were in public, because the public who read the report had not the background to the whole thing and therefore di not know why a member of Council spoke a he did. Members might show a little mor interest if the report were given to the Pres instead of the Press being admitted, if a seriou attempt were made to give a full and accurat report of the proceedings. The admission c the Press often had, or might have, a restrain ing influence on a person's speech, or it migh have the exact opposite effect if a membe were anxious to work up popularity. Wer they there to do a job of work with sincerity putting all their minds to it and disregardin whether or not for the moment they might b popular on any particular issue, or were the there just to reflect any sharpness of mind o occasions to the membership as a whole? I was always bothering to them on Wednesda morning to see the flag going up and down and the Press representatives themselves mus be puzzled about what to put in and what not He supported the motion.

THE SECRETARY (Mr. H. N. Linstead) hoped there would be no illusions about th situation as it existed. It was not a questio of a blaze of publicity versus complete silence. The Council never had held its meeting entirely in public at any time, but had always been careful to take private business either o Tuesday night or with the flag up. For some time past the Press had had a communicated report of Tuesday night's business, and on the whole the Press had been satisfied. The appearance of publicity was not necessarily the reality. Anyone who wanted the fullest possible publicity would find it more profitable to concentrate on getting full communicated reports. It might be true that a communicated report was open to the criticism that it was condensed, and that therefore something was omitted, but they were more likely to get an accurate report if it was prepared by their own officials.

DR. B. A. YOUNG, after congratulating Mr. Maplethorpe, said he would hate to think that, if the meetings were thrown open to the Press, they might find extended to Tuesday nights the funereal uniformity of their Wednesday mornings. On Tuesday evenings they had bright, lively discussions. On Wednesday mornings everyone was "in his Sunday best," all statements were carefully prepared, and they were all careful what they said. If their discussions were held in private, they could speak without fear or favour and without fear of losing popularity in the country. The Press often misrepresented medical information, for instance, unless the reports were in some way scrutinised by an expert. He would support Mr. Maplethorpe.

Mr. F. C. Wilson said that every argument of any real weight had been on the side of Mr. Maplethorpe and his motion, and all the rest were extraordinarily weak. Nevertheless he was opposed to the motion. If a communicated report were to take the form of a full verbatim report it would still be questioned, and considered to be faked and controlled. If the Press were there he did not think they abused their privilege. Obviously inflections of the voice could not be published. They had tried to give a fair account of the Council's meetings.

Mr. G. R. Knox Mawer having moved the closure, Mr. Hirst moved that the vote should be recorded. The closure was approved, and Mr. Maplethorpe then replied to the discussion. He said that if members did not know what was going on, obviously they did not read the "Journal." Mr. Wells had also suggested that a report put out by the officers of the Society could not be a good or accurate report. If that were true, they should discharge the officers. He was most anxious that they should have full reports, but not distorted reports. The point made by Mr. McNeal of the effect of taking the motion on Tuesday night was a strong argument in favour of it. It was quite clear that Mr. McNeal thought they did one thing when the Press reporters were present and another when they were not.

Mr. Heseltine seconded the motion that the vote should be recorded.

Mr. Hirst, replying to Mr. H. Steinman, who asked why the mover was making that request, said he wanted the public to know what was happening. Mr. Hirst's motion received three votes, and was lost. Mr. Maplethorpe's motion was then put, and was lost by twelve to seven.

In further discussion the Secretary said that the question of a resolution to cover the future practice of the Council needed consideration.

Joint Committee's Future

The minutes of a meeting of the Joint Committee on a National Pharmaceutical Service held on July 18 were presented by the chairman (Mr. W. J. Tristram). They included a report that the position taken up by the Executive of the National Pharmaceutical Union on the negotiation of terms of service for contractors had been endorsed at meetings of Pharmaceutical Committees and of N.P.U. Branches. The Joint Committee, having considered the implication of the decisions, felt that it could no longer continue as an executive body. It recommended that the Joint Committee should continue as a consultative committee to discuss any matters which constituent organisations might wish to bring forward, but that any action to be taken should be the responsibility of those bodies. After discussion, during which it was pointed out that the Society and all other bodies represented in the Joint Committee would be free to make independent representations to the Ministry on matters concerning the new health service, the Committee's report was formally received, and the recommendation accepted. Mr. C. W. Maplethorpe said that in his view the Joint Committee was now completely useless, and he wished to resign from membership of it. It was decided to refer to the Public Services Committee all questions concerned with the National Health Service.

British Pharmaceutical Conference

The report of the Executive of the British Pharmaceutical Conference stated that an invitation had been received from the chairman of the Brighton, Hove and District Branch of the Society, inviting the Conference to meet in Brighton in 1948. The date suggested was the week beginning August 30.

Visits and Congratulations

The Secretary reported that the Society had received a visit from a number of foreign pharmacists who had come to London recently to attend the International Congress of Pure and Applied Chemistry; they included three from France, two from Belgium, one from Bulgaria, two from Switzerland, one from Norway, and one from Holland. The president had entertained a number of them to dinner. Letters from Dr. R. A. (now Sir Robert) Young, thanking the Council for congratulations on his knighthood, and from Dr. T. Potjewijd, thanking the Society for his election as an honorary member, were received.

Resolutions from Branches

A resolution passed by the Aberdeen and North-eastern (Scottish) Branch was received, requesting further consideration for the question of territorial representation in Council elections, and that the subject should be discussed at the next Branch Representatives' meeting. It was decided to reply that any views on the subject should be raised at that meeting.

Resolutions were received from the Hendon and Edgware Branch, urging that the Branch Representatives' meeting should be dissociated from the British Pharmaceutical Conference, and that at least six months' notice of it should be given; and from the Blackpool

Branch asking that the Branch Representatives' meeting be held at a more convenient time and place. Both were referred to the Organisation Committee.

Expenses of Birdsgrove House

MR. E. A. BROCKLEHURST moved a Benevolent Fund Committee recommendation to approve a specification for plumbing and sanitary works at Birdsgrove House at a cost not exceeding £1,500. MR. H. M. HIRST recalled that, a year earlier, he had complained of the cost per guest at Birdsgrove House. At that time it was £7 10s. a week, but it had now gone up to £10 a week. He protested most strongly against what he said he would not describe as a scandal but as a waste of money. MR. BROCKLEHURST said that what had seemed at first to be extravagant items had been explained to the satisfaction of the Committee. The convalescent home was now being built up, and equipment was expensive. The Committee was satisfied with the conditions at the home. The cost would go down when the home was filled to capacity. The average number of guests during the three months under review was seven, but eventually it would be possible to take fifteen. The recommendation was adopted.

Roll of Honour

The Council agreed that a list of members and registered students who died owing to enemy action in the recent war should be published in the "Pharmaceutical Journal," and that members should be invited to inform the secretary not later than August 31 of any omissions. It was also agreed to inscribe the list of names in a memorial book to be kept in the Society's library.

On the report of the Joint School Committee, Miss M. C. ISLIP raised the question of an advertisement which had appeared in the previous issue of the "Pharmaceutical Journal" for an assistant in the nutrition department of the Pharmaceutical Society's laboratories at a salary of £300 a year. She complained that that salary was extraordinarily low, and pointed out that the junior pharmacists in a hospital commenced at £370. At the suggestion of THE PRESIDENT, the Council agreed to ask the Establishment Committee to examine the salaries paid in the department.

The report of the Law Committee, presented by THE CHAIRMAN (Mr. Davis) was adopted.

This concluded the public business.

AN APOLOGY TO MR. G. A. MALLINSON

THE following communication has been received from the solicitors acting for Mr. F. C. Wilson (a member of Council of the Pharmaceutical Society), with a request that it should be published "with equal prominence to that accorded to Mr. Wilson's speech" (see *C. & D.*, June 21, p. 716):—

Mr. Wilson's Statement

IN the course of my address to the Cheltenham Branch of the Pharmaceutical Society, reported in your issue of June 21 (p. 716) under the title "The Joint Committee and the N.P.U. — Mr. Wilson Speaks Out," I dealt vigorously and frankly with what I consider to be the relative merits of the Pharmaceutical Society, the National Pharmaceutical Union, the Joint Committee and the N.H.I. Contractors' Committee in regard to negotiations under the National Health Service Act, 1946. Exception has been taken to a number of passages in my speech reflecting upon the N.P.U. and suggesting that Mr. Mallinson has acted dishonourably and betrayed the interests of pharmacy in general and the N.P.U. in particular. No words of mine were intended to convey any such suggestion, and I regret that they should have been considered capable of such construction. Mr. Mallinson's personal integrity is beyond question and he has always acted in a way he sincerely believes to be in the best interests of the N.P.U. and of the profession as a whole, and I say this although I am not in agreement with him on a number of matters affecting the profession. The object of my speech was not to attack Mr. Mallinson personally but to ventilate a number of controversial points upon which he and I take opposite views.

On re-reading my speech it is apparent to me that several passages have been phrased with unnecessary violence for rhetorical effect and that they would reasonably be interpreted as gravely reflecting upon the character of Mr. Mallinson. I, therefore, welcome this opportunity of apologising to Mr. Mallinson and of withdrawing all such insinuations unreservedly. I realise that this is a serious matter and I am pleased that it has been possible to dispose of this dispute without litigation.

(Signed) F. C. WILSON.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

A MEETING of the Council of the Pharmaceutical Society of Northern Ireland was held in Belfast on July 18, Mr. John McGregor (vice-president) in the chair. A welcome was extended to Dr. H. D. Heazley on his first attendance as representative on the Council of the Northern Ireland Branch of the British Medical Association in place of the late Dr. S. E. A. Acheson. Dr. Heazley suitably replied. To fill the other vacancy on the Council it was decided, on the proposal of MR. MCDOWELL, seconded by MR. IRWIN, to co-opt Mr. W. P. Ewart, Armagh. Also present were Messrs. Walter C. Tate, James McDowell, J. Irwin, H. W. Gamble, H. F. Moore, Professor E. B. C. Mayrs, and Professor James Small. Mr. William Gorman (secretary) was in attendance. Apologies for absence were received from Messrs. J. E. Connor, J.P., C. Abernethy, P. R. W. Shinner, and James Glendinning.

MR. MCGREGOR expressed sympathy with the relatives of the late Mr. L. Moreton Parry, who, he said, had given valuable assistance to the Pharmaceutical Society of Northern Ireland in its early days; in recognition of his services he had been made an honorary member. Sympathy was also expressed with Mr. Glendinning on the death of his brother.

The Council considered a letter from the secretary of the *Fédération Internationale Pharmaceutique* inquiring whether some of the pharmacists at present in displaced-persons camps in Europe could be received into the profession in Northern Ireland. After discussion, it was moved by PROFESSOR SMALL, seconded by MR. GAMBLE, and agreed, that individual applications from displaced persons should be decided on their merits.

A letter was received from Mr. G. V. Duffy (secretary, Londonderry Chemists' Association) expressing thanks for an enjoyable outing in co. Donegal on June 19 (see *C. & D.*, July 12, p. 57).

The report of the Education Committee was adopted, on the motion of MR. IRWIN, seconded by MR. COWZER, and that of the Finance Committee, on the motion of MESSRS. COWZER and BOYD.

The report of the board of examiners on the June examinations showed that in Part I, nineteen out of fifty-eight candidates had been successful, twenty-two had been referred, and seventeen had failed. In Part II, fourteen out of thirty-three candidates had passed, seven were referred, and twelve had failed. On the motion of MESSRS TATE and MCDOWELL, the seal of the Society was affixed to the certificates of the fourteen successful candidates in the Part II Final examination. After the Council meeting the certificates were presented by the vice-president. Addressing the new members, MR. MCGREGOR said that, taking into account the extended syllabus and the fact that students might now be referred in only one subject, the results were slightly above average. He especially congratulated Mr. T. D. Proctor, who had obtained an average of 81.3 per cent. in all subjects. Mr. McGregor advised all the new pharmacists to read widely and wisely in order to keep themselves conversant with the advances of medical science.

On the motion of MESSRS. H. H. COWZER (treasurer) and W. H. BOYD, it was agreed that a contribution of £105 should be made to the centenary endowment fund of Queen's University, Belfast. It was recommended that the contribution should be devoted to furthering the study of pharmaceutics in the University.

EIRE P.D.A. BRANCH

AT a meeting of the Eire Branch of the Photographic Dealers' Association held in Dublin on July 24, the following officers were elected: *Chairman*, Mr. John J. Roche; *Treasurer*, Mr. P. A. Brady; *Secretary*, Mr. Lyall G. Smith. Numerous applications for membership, many from persons not connected with the photographic trade, were dealt with. It was emphasied that the P.D.A. was the only weapon for the defence of chemist photographic dealers against such encroachments. The treasurer announced that he would accept 10s. 6d. as the subscription for the balance of 1947; subscriptions should be sent to Mr. P. A. Brady, 12 Upper Camden Street, Dublin. The secretary said he would shortly circularise all chemists on the question of membership. The possibility of holding, in the autumn, an apparatus exhibition and courses in photography for dealers and assistants was discussed. Mr. Smith said that Mr. Harold Warner (president, P.D.A.) expected to visit Ireland in August or September and hoped to meet as many Irish photographic dealers as possible.

ENGLISH HERB CROP REPORTS

Perks & Llewellyn.—LAVENDER.—Last winter's severe frosts caused considerable damage to plants; the majority recovered, but blooms are stunted and the harvest will be small.

The Herb Farm Ltd.—The crop of LAVENDER this year is poor, partly owing to the prevalence of shab disease last season, and partly also to the great cold in the early part of the year. THYME, SAGE, MARJORAM and SAVORY seem about normal and MINT rather above the average.

Bruce Starke & Co., Ltd. — ANGELICA has suffered severely through the dry weather and we do not anticipate having anything but a small yield of oil. CHAMOMILE.—The crop this year is not so large as in previous years, and here again the plants are smaller than usual, owing to the extremely dry weather. Undoubtedly, the yield will be smaller this season, although the oil should be of excellent quality. LAVENDER.—The crop this year looks good, and has benefited by the dry weather and sunshine, and we anticipate an average yield, with oil of good quality and sweetness, owing to the abundant sunshine. PEPPERMINT.—Owing to the very dry season we have had, the plants although healthy are short, and we do not anticipate the yield equal to the normal season, although the quality of the oil should be exceptionally good, owing to the abundant sunshine we have had.

Duncan, Flockhart & Co.—The very severe and prolonged winter resulted in the spring work being very far behind. Sowing and transplanting were at least a month later than usual, and wet weather during May did not help. ACONITE.—An average crop is expected. BELLADONNA.—First year plants were slow in developing, and yield from them will be poor. The second and third year plants have given fairly good yields of leaves, two crops having been harvested already. DIGITALIS.—The wet soil during the early season told against this plant, and results are disappointing. HENBANE.—This has not recovered from the cold, damp spring, and the size of the plants is below normal. STRAMONIUM. — The warmer weather of the last two months has been very beneficial, and the crop may be better than was at first thought. VALERIAN. —This occupies a smaller area of ground than usual, but the proportionate yield should be up to average.

William Ransom & Son, Ltd.—Owing to the exceptionally severe winter and the prolonged dry spell at the beginning of the growing period, most of our crops will be below average. MONKSHOOD.—We have a small plantation; demand for this crop is falling. BELLADONNA.—We have sixty three acres under cultivation. The old plantations were extensively damaged by unfavourable weather conditions and we have had a light crop. This year's sowing have grown exceptionally well and we expect to harvest a larger crop in the autumn. All plantations appear free from insect pests. CHAMOMILE.—A very light crop. Many plants died during the winter and this year's crop was severely checked by lack of rain after planting out. HEMLOCK.—Acreage reduced owing to small demand. We hold adequate stocks. FOXGLOVE.—An average crop. We hold good stocks of dried leaf. HENBANE.—The second year's plantation was below the average. We are now harvesting a good first year crop. There is a big demand for preparations made from this plant. LAVENDER.—We have increased our acreage but, unfortunately, the older plantations were very badly damaged by climatic conditions during the winter. We do not expect to have sufficient oil to meet the present demand. LETTUCE.—An average crop. We hold good stocks of the extract. PEPPERMINT.—It is too early yet to give an opinion on this crop. We are unable to grow sufficient to meet the demand for the oil, owing to lack of labour, but we have been able to contract with a farmer in the district to grow on our behalf. RHUBARB.—The crop is growing well. We hope to have adequate supplies. POPPY PETALS.—Collection is now in progress. There is a good demand for preparations made from these petals. Weather conditions during the next few weeks will decide if sufficient can be collected to meet the demand. ROSEMARY.—The winter killed nearly our entire plantation. It will be two years before we have sufficient for distillation. ELDER FLOWERS.—We collected sufficient to meet the demand of our usual buyers and have a small surplus. BUCKTHORN BERRIES.—These will be collected in the autumn. It is too early to give an opinion on this crop. Last year's collection was not sufficient for our requirements. DANDELION ROOT.—Collection begins in August. We have none of last year's collection. There is a big demand for the root.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

28 Essex Street, W.C.2, August 6

THE markets for PHARMACEUTICAL CHEMICALS and CRUDE DRUGS at the time of going to press are quiet, with little activity showing after the Bank Holiday closing. Importers and merchants have been discussing the probability of a drastic curtailing of import licences for commodities which have a transatlantic origin. Prices of imported chemicals remain very firm. BROMIDES are in good demand, but the recent small advance in the cost of BROMINE is not expected to affect makers' prices for the salts.

Crude Drugs

Only a small business is passing in CRUDE DRUGS and prices are little changed from last week. The forward market for CASCARA SAGRADA remains firm. British-produced COD-LIVER OIL has been advanced in price; current quotations are from 12s. 6d. to 15s. per gallon, according to quantity. PAPAIN is offered at somewhat lower prices; reports state that an easier tendency is showing at source. SENEGA continues firm with shipment offers in the region of 10s. 3d. per lb., c.i.f. In ESSENTIAL OILS, ANISEED, which was recently decontrolled, is now coming forward at prices from 7s. to 8s. per lb. Chinese oil shipment is quoted at from 3s. 6d. to 4s. per lb., landed. The Ministry of Food controlled prices for UNREFINED OILS and FATS are unchanged for the allocation period ending August 30.

U.S. Drug and Chemical Report

New York, August 1

A FIRMER tone exists on the market for PHARMACEUTICAL CHEMICALS as consumers who have been using up their stocks are expected to be forced to re-enter the market in the near future to seek their winter requirements. Few export permits are being granted for GLYCERIN although would-be buyers have the necessary letters of credit. Demand at home for refined material is also increasing but the new low price of 29¼ cents per lb. has not been altered. One leading producer of PENICILLIN is understood to have reduced his price schedules; the new price is 37½ cents per 100,000 units with the usual 20 per cent. reductions for hospitals and wholesalers.

Caution in purchasing CRUDE DRUGS has spread from the domestic section of the market to the export division. Quotations for many items have been reduced, including KARAYA, CAROB and GALBANUM GUMS and COPAIBA BALSAM. On the other hand, Indian PSYLLIUM SEED and SENEGA ROOT are dearer. The long-term outlook for MENTHOL is still strong, although a substantial price reduction was noted last week (to $8 per lb.) and despite the fact that a sizeable order might even bring further price shading. Latest reports from China indicate a poor mint crop there this year. Collection of domestic drugs is proceeding very slowly and many suppliers are expected to start the new season with the smallest stocks since the beginning of the war. No important developments have been reported on the ESSENTIAL OILS market excluding a reduction in the price of SPEARMINT by one major supplier from $13.50 to $10.00 per lb.

Exchange Rates on London

Bank of England fixed rates at the opening on Wednesday morning were:—

Centre	Quoted	August 6
*Alexandria ...	Piastres to £	97½–97¾
Amsterdam ...	Florins to £	10.68–10.70
*Bombay	Pence to rupees	1-5 15/16–1-6 1/16
Brussels	Francs to £	176½–176¾
Copenhagen ...	Kroner to £	19.32–19.36
Dutch East Indies	Florins to £	10.68–10.70
Dutch West Indies	Florins to £	7.59–7.61
*Hong Kong ...	Pence to $	1-2 15/16–1-3 1/16
Lisbon	Escudos to £	99.80–100.20
Montreal	Dollars to £	4.02¾–4.03¼
New York ...	Dollars to £	4.02¾–4.03¼
Oslo	Kroner to £	19.98–20.02
Paris	Francs to £	479.7–480.3
Rio de Janeiro ...	Cruz to £	75.3948
*Singapore ...	Pence to $	2-4 3/32–2-4 3/16
Stockholm ...	Kronor to £	14.47–14.50
Zurich	Francs to £	17.34–17.36

* Free market rates.

Pharmaceutical Chemicals

ACETANILIDE.—Makers' quotations for 1-cwt. lots in kegs are at 2s. 5d. per lb. for crystals and 2s. 6d. per lb. for powder. Continues in short supply.

ADRENALINE.—Makers' prices for the synthetic are as follows: 100 gm., 2s. 9d. per gm.; 250 gm., 2s. 6d.; 500 gm., 2s. 2d.; 1,000 gm., 1s. 11d. Quotations for the natural are at from 5s. 6d. to 6s. per gm., according to quantity.

AMIDOPYRINE.—Firm. Quotations are held at from 53s. to 63s. per lb.

AMPHETAMINE.—Prices for the BASE and SULPHATE are from 150s. to 160s. per lb., as to quantity.

ATROPINE.—Home trade prices per oz. are as follows: ALKALOID, 42s. 6d.; 4 oz., 42s.; 25 oz., 41s. 6d. SULPHATE, 34s.; 4 oz., 33s. 6d.; 25 oz., 33s. METHYLBROMIDE and METHYLNITRATE, 75s.

BENZALDEHYDE.—Prices of B.P.C. quality are from 4s. 9d. to 5s. 6d. per lb., as to quantity.

BROMIDES.—Current rates per lb. for POTASSIUM, in quantities of 28 lb. to 1 cwt. (containers in brackets), are as follows: 3s. 5½d. (1-lb.), 3s. 4½d. (2-lb.), 3s. 4d. (4-lb.), 3s. 3d. (7-lb.), 3s. 2½d. (14-lb.), 3s. 1½d. (28-lb.). In bulk, 1 cwt. is quoted at 2s. 7d. per lb. and 5 cwt. at 2s. 6d. Powder is 2d. per lb. extra. SODIUM is 1½d. per lb. less than above rates; AMMONIUM is ½d. per lb. more than above rates. Terms are net; carriage paid on 1-cwt. lots in U.K. Prices and conditions apply to trade in Eire on usual carriage paid terms, duty and marine war risk insurance for buyer's account.

BUTYL CHLORAL HYDRATE.—Current prices are from 17s. 6d. per lb. upwards.

CAFFEINE.—In short supply. Makers' prices per lb. are as follows: ALKALOID, anhydrous, from 41s. 6d. to 45s. 6d. and B.P., from 39s. 6d. to 43s. 6d., according to quantity; CITRATE, from 24s. 6d. to 28s. 6d.; SODIUM BENZOATE, from 24s. to 28s.; SODIUM SALICYLATE, from 24s. 9d. to 28s. 9d.; SODIUM IODIDE, from 29s. to 32s.

DIGITOXIN.—Current quotations are in the region of 170s. per gm.

EMETINE.—Makers' prices per oz. are as follows: HYDROCHLORIDE, 1 oz., 207s.; 4 oz., 200s.; 16 oz., 197s. 6d. 32 oz., 195s. BISMUTH IODIDE, 1 oz., 103s. 6d.; 4 oz., 102s.; 16 oz., 100s. 6d.; 32 oz., 99d.

EPHEDRINE.—Quotations for the ALKALOID are at from 9s. to 12s. per oz., as to quantity. HYDROCHLORIDE is quoted at from 6s. to 9s. per oz. Supplies are limited.

PIPERAZINE.—Current prices are from 4s. 6d. per oz., according to quantity.

POTASSIUM PERMANGANATE.—Prices are unchanged and are as follows: B.P. (in 1-cwt. drums), 1 cwt. and over, 1s. 8½d. per lb.; 3 cwt. and over, 1s. 8d. TECHNICAL (in 1-cwt. drums), 1 cwt. and over, 166s. 3d. per cwt.; 3 cwt. and over, 161s. 9d.; 5-cwt. and over, 159s. 3d.; 1 ton and over, 156s. 9d.; 4 tons and over, 154s. 3d. TECHNICAL (in 5-cwt. drums), 5 cwt. and over, 156s. 9d. per cwt.; 1 ton and over, 154s. 3d.; 4 tons and over, 152s. Terms, net, carriage paid to nearest station, containers extra and returnable.

PROCAINE HYDROCHLORIDE. — Current quotations are at from 42s. 6d. to 45s. per lb.

PYROGALLOL.—Current rates are as follows: 1-cwt., 21s.; 56-lb., 21s. 6d.; 28-lb., 22s. 6d. per lb. Resublimed, 4s. per lb. above these rates Prices are net.

RESORCIN.—In short supply. Current prices are at from 10s. to 12s. 6d. per lb., according to quantity.

ROCHELLE SALT.—1-cwt. lots are quoted at 202s. 6d. SEIDLITZ POWDER is at 156s. 3d. per cwt. for ordinary strength; extra strong is 168s. 9d., and double strength 175s. 9d. per cwt.

TERPINEOL.—B.P. quality is quoted at 5s. per lb. for small lots.

Crude Drugs

ALOES.—Cape, in boxes, is offered at 175s. to 180s. per cwt., spot; shipment 160s., c.i.f. Curaçao, in boxes, is quoted at 235s., spot; forward, 215s. to 220s. c.i.f. Socotrine is quoted at 156s. to 190s per cwt., according to quality.

ANTIMONY.—Current rates are as follows: 99.6 per cent. regulus, £190 per ton, delivered; 99 per cent., £180; 70 per cent. crude, £150.

BUCHU.—New-crop short rounds, steady at 4s. 3d. per lb., spot; shipment, 4s., c.i.f. Old-crop rounds, f.a.q., is available at 3s. 11d. per lb., spot.

CASCARA SAGRADA.—1946 peel is offered at 250s. per cwt., duty paid. American new-crop is quoted at 215s. per cwt., landed, duty paid.

COCOA BUTTER.—Maximum controlled price is 2s. 11d. per lb., delivered.

ERGOT.—Spot, quoted at 4s. 9d. to 5s. per lb.; forward, 4s. 6d., c.i.f.

GUM MASTIC.—No. 1 is offered at 15s. per lb., duty paid.

HENBANE.—Fair-testing grade is available in London at 4s. 6d. per lb.

HENNA.—Egyptian leaves are offered at 135s. per cwt., ex warehouse.

HYDRASTIS.—Firm. Spot quotations are at around 60s. per lb.

IPECACUANHA.—Spot, Nicaraguan root is firm at 27s. per lb. Colombian root for shipment is quoted at 22s. 6d., c.i.f.

KARAYA.—No. 1 gum is quoted at 215s. to 220s. per cwt., spot; No. 2, 170s.

LANOLIN.—Supplies are still difficult, and current quotations for B.P. quality are in the region of £105 per ton for ANHYDROUS and £101 for HYDROUS material, delivered to buyers' premises.

MENTHOL.—Brazil, on the spot, is steady at from 44s. to 45s. per lb., duty paid; forward, 39s. to 40s., c.i.f. Chinese, in original cases, 50s. to 52s. 6d. per lb., duty paid.

NUX VOMICA.—Madras, steady at 40s. to 42s. 6d. per cwt. Mangalore, 40s.; Cochin, scarce, 42s. 6d. to 45s., spot, as to seller.

OLIBANUM.—Fair to good drop is quoted from 200s. to 240s. per cwt.; pea size, 220s.; good garblings, 180s.; seeds, 175s.; siftings, 110s.

ORANGE PEEL. — Spot quotations for Spanish quarters are at 1s. 6d. per lb.; sweet ribbon is quoted at 1s. 9d. per lb. Bitter ribbon is quoted at 1s. 3d. per lb., spot, Liverpool.

ORRIS.—Steady. Florentine is quoted at 150s. to 160s. per cwt., spot.

PAPAIN.—East African is quoted at 33s. per lb.

PEPPER.—Spot: Indian black, whole, 2s. to 2s. 2d. per lb., spot; ground, 2s. 2d. to 2s. 4d. White, whole, unquoted; ground, 3s. 10d. to 4s., spot.

PIMENTO.—Steady. Spot quotations are at 1s. 2d. per lb.

PSYLLIUM SEED.—A parcel of black seed is being offered at 2s. 9d. per lb., spot.

QUASSIA.—Chips, shipment, is now being quoted at 34s. per cwt., c.i.f.; September-October, is quoted at 32s., c.i.f.; spot, difficult to find, 40s. to 45s. per cwt.

QUILLAIA.—Natural bark, spot, can be bought at 115s. per cwt.; cut, for future delivery is available at 135s. per cwt.

QUINCE SEEDS.—Cape, on the spot, is offered at 6s. 9d. per lb.

RHATANY.—Steady. Spot quotations are unchanged at 11d. per lb.

RHUBARB.—Spot quotations for Chinese rough round are from 6s. to 8s., according to fracture; forward, from 4s. 6d. to 6s. 6d., c.i.f. Poorer quality, much of which is wormy, is available on the spot at prices from 4s. 9d. to 5s. 6d. per lb. French rhapontica is quoted at 2s. per lb., spot.

SANDARAC.—Quotations are at 5s. 9d. to 6s. per lb., ex store London.

SARSAPARILLA. — Jamaica, native red, quoted at 2s. 3d. to 2s. 4d. per lb., spot.

SEEDS.—Very little business has been reported during the past week. ANISE.—Cyprus quoted at 2s. 3d. per lb., spot London or Liverpool. CARAWAY.—Dutch quoted 1s. to 1s. 1d. per lb., duty paid, spot London. CELERY. — Indian, 1s. 4d. lb., spot Liverpool. CORIANDER. — Spot, Morocco, 45s. per cwt., duty paid, ex wharf London; Argentine, 42s. 6d. per cwt., duty paid, ex store Liverpool; English, 75s. per cwt.; new-crop Morocco for August shipment unchanged at 44s. per cwt., c.i.f. London. CUMIN.—Spot, Indian, 235s. per cwt., ex wharf London or Hull; Cyprus, 232s. 6d. per cwt., ex wharf London. DILL.—Indian, 42s. 6d. per cwt., quoted spot London, and 40s. per cwt., ex store Liverpool. FENNEL.—Indian, 97s. 6d. per cwt., spot London; 95s., quoted spot Liverpool. FENUGREEK.—Indian, 45s. per cwt., ex wharf London, and 42s. 6d. per cwt., quoted in Liverpool.

SENEGA. — Spot quotations for old-crop material are from 11s. to 11s. 6d. per lb. New-crop is offered at source at 10s. 3d., c.i.f.

SENNA.—Tinnevelly leaves, spot, No. 1, 1s. 2d.; No. 2, 10½d.; No. 3, 9d. to 9½d.; No. 4, 8½d. Tinnevelly pods, hand-picked, 10½d. to 1s. 4d.; manufacturing, 6d. to 6½d. Alexandrian pods, hand-picked, spot, from 4s. 9d. to 5s. 9d., according to quality; medium, 2s. 9d.; manufacturing, 1s. 9d. to 2s. per lb.

SQUILL.—Quiet. Italian is quoted at 70s. per cwt., spot.

STRAMONIUM.—Indian leaf is quoted at 75s. per cwt., on the spot; Hungarian leaf, 115s., spot.

STROPHANTHUS.—Quiet. Kombé seed, 100 per cent., quoted at 9s. 6d. per lb.

STYRAX.—Small quantities are available at 5s. per lb., duty paid.

TAMARINDS.—Barbadoes is quoted at 50s. per cwt., in bond.

TONKA BEANS.—Frosted Pará is offered at 4s. 9d. per lb., spot.

TRAGACANTH.—Selected ribbon is quoted at £155 per cwt.; other grades of white ribbon are available at from £120 to £125 per cwt. Prices of lower grades are as follows: Pale leaf, £60 to £80; amber leaf, £35 to £55; red leaf, £17 to £25; hoggy, £12 to £15.

TURMERIC.—Madras finger is quoted at from 105s. to 110s. per cwt., spot.

VALERIAN.—Belgian root is at 190s. to 220s. per cwt., according to holder.

WAXES. — BEES', Dar-es-Salaam, is quoted at 345s., spot; shipment, 337s. 6d., c.i.f. Lindi, spot, is offered at 342s. 6d.; shipment, 332s. 6d., c.i.f. Benguela is quoted at 315s., in bond; for shipment, 297s. 6d., c.i.f. CANDELILLA.—Spot is steady at 420s. per cwt.; shipment, 390s., c.i.f. CARNAUBA.—Fatty grey, 640s. per cwt., spot; afloat, 580s., c.i.f.; for shipment, 480s., c.i.f. Prime yellow is at 750s., spot; for shipment, 660s., c.i.f. MONTAN.—Steady. Reibeck is quoted at 390s. per cwt., spot; Czechoslovak crude, 330s., spot. OURICURI.—5 per cent., for shipment, 330s. per cwt., c.i.f.; 2 per cent. forward, 350s., c.i.f.; 7-9 per cent., 370s., spot; 9 per cent., 375s., spot.

WILD CHERRY BARK.—Thin natural, on the spot, is quoted at 1s. 6d. per lb., duty paid.

Essential and Expressed Oils

ANISEED OIL.—Supplies now available on the spot are quoted at from 6s. to 7s. per lb.; September-October shipment, 3s. 6d. in drums and 3s. 10d. to 4s. in tins and cases, landed.

CITRONELLA.—Spot quotations for Ceylon are unchanged at from 7s. to 8s. per lb.

LAVANDIN.—Spot quotations are from 11s. 6d. to 15s. 6d. per lb., according to seller.

LAVENDER.—French (38 to 40 per cent. esters) is easy at 45s. to 47s. 6d. per lb. Spanish (spike) is quoted at 11s. 6d. to 12s. 6d. per lb., spot.

LEMONGRASS.—Spot quotations are from 7s. 6d. to 9s. per lb.

LIME.—West-Indian distilled oil is quoted in the region of 100s. per lb.

LINSEED.—Controlled price of crude is £200 per ton, naked ex works.

NEROLI.—Spot quotations are at from 87s. to 92s. per oz., according to quantity.

NUTMEG.—English-distilled oil is steady at 45s. to 55s. per lb., spot; West-Indian distilled, to come forward, 42s. 6d. to 45s. per lb.

PENNYROYAL.—Supplies to come forward are quoted at 23s. to 25s. per lb., landed.

SASSAFRAS.—Brazil is quoted at 5s. 6d. to 6s. per lb., spot.

TRADE MARKS

(*From "The Trade Marks Journal," July* 16)

"OLFAMIDE"; for pharmaceutical preparations and substances consisting of, or articles containing, amides (5). By Societé Louis Joullié & Co., 6 rue Lincoln, Paris, France. 647,152.

"DIURINID"; for pharmaceutical preparations and substances (5). By Savory & Moore, Ltd., 61 Welbeck Street, London, W.1. 647,633.

"CIGTHRANOL"; for pharmaceutical preparations and substances (5). By Bayer Products, Ltd., Africa House, Kingsway, London, W.C.2. 648,062.

"PLAS-PECS" for spectacles and goggles (9). By Crystal Products Co., Ltd., Hook Rise, Kingston-By-pass, Surbiton, Surrey. 648,300.

"SILVER SILK"; for toilet paper (not medicated) (16). By Kitty-Brewster (Paper), Ltd., Kitty-brewster Works, 106-12 Great Northern Road, Aberdeen. B643,301.

"ZOTE"; for sponges and material for cleaning purposes, combs, etc. (21). By Expanded Rubber Co., Ltd., 675 Mitcham Road, Croydon, Surrey. 647,365.

"MARLENE"; for brushes in this class, containers, etc. (21). By Loewenstein & Hecht, Ltd., 69 New Oxford Street, London, W.C.1. 647,779 (Associated).

APPLICATIONS AMENDED AFTER ADVERTISEMENT.

Specification No. 643,391 by Guerlain, Ltd., should be altered so as to read "Toilet preparations (not medicated), cosmetic preparations, perfumes, and preparations for the teeth and hair."

(*From "The Trade Marks Journal," July* 23)

"TERYLENE"; for chemical products used in industry, science and photography; and adhesive substances used in industry (1). By Imperial Chemical Industries, Ltd., Wexham Road, Slough, Bucks. 646,992.

"RENDALE" and letter R superimposed on classic column (letter R disclaimed); for perfumes, toilet soap, toilet preparations (not medicated), cosmetic preparations and dentifrices (3). By Edouard Frederic Satz, trading as Compagnie Rendale, 59 rue de Grenelle, Paris 7-me, France. 642,851.

"RASCAL" and "TANTALIZE"; for soaps, perfumes, essential oils, toilet preparations (not medicated), cosmetic preparations and dentifrices (3). By James Scott St. Barbe Baker, 41 Boleyn Road, Dalston Junction, London, N.16. 648,232-33.

"DERMOL"; for medicated ointment for the treatment of the skin (5). By Arthur Foden Clarke, trading as W. E. Clarke & Son, 253 Ewell Road, Surbiton, Surrey. B639,421.

"VERDO-CIDE"; for insecticides and preparations for killing weeds and destroying vermin (5). By Plant Protecton, Ltd., Yalding, Kent. 644,985 (Associated).

"PARI"; for pharmaceutical preparations in powder form for use in the treatment of hæmorrhoids (5). By Claude Leon Malcomson, Oak Lodge, Blandford Road, Reigate, Surrey. 645,898.

"RESTOCRAT"; for machines for use in waving the hair (7). By La Reine Hair Waver & Curler Co. (1936), Ltd., 106 Upper Tooting Road, London, S.W.17. B648,280.

INSURANCE ACT DISPENSING

Preston.—During the fourth quarter of 1946, 62,224 prescriptions were issued at a cost of £4,443, representing an average total cost per insured person of 16.67d.

Birmingham.—The following statistics are included in the annual report of the Birmingham Pharmaceutical Committee which was issued recently:—

PARTICULARS	1946	1945	1938
Prescriptions dispensed	2,336,483	2,207,150	2,542,598
Total cost:			
Ingredients	£71,269	£60,931	£39,171
Dispensing fees	£59,387	£55,474	£45,500
Average cost per prescription:			
Ingredients	7.32d.	6.63d.	3.70d.
Dispensing fees	6.10d.	6.03d.	4.20d.
Number of insured persons	520,627	494,210	495,531
Prescription frequency per insured person	4.49	4.47	5.13
Average total cost per insured person	60.23d.	56.53d.	41.01d.

The Committee's expenses, including cost of checking, amounted to 0.66 per cent. of the fees. At May 31, 1947, there were 236 contractors (nine non-dispensing) and 396 shops (eleven non-dispensing).

London.—At the annual meeting of the London Pharmaceutical Committee held July 15, Mr. D. S. Henderson (chairman) presiding, the following officers were re-appointed: *Chairman,* Mr. D. S. Henderson; *Vice-chairman,* Mr. C. H. Foster; *Secretary,* Mr. G. A. Tocher; *Assistant Secretary,* Mr. R. C. Swanton. A vote of thanks was accorded to Mr. D. S. Henderson for his efficient and valuable services as chairman, and at the unanimous request of his colleagues, Mr. Henderson agreed to occupy the chair for another year. Among the subjects considered at the meeting were the policy of the Committee at the emergency conference of representatives of Pharmaceutical Committees due to be held under the auspices of the National Pharmaceutical Union on July 17, the checking of prescriptions, and comparative statistics for March and April, 1946 and 1947. Figures for the first four months of 1947 showed an increase of 90,416 prescriptions over the number dispensed for the corresponding period of 1946. The total payments to chemists for the first four months of 1947 amounted to £174,120 against £131,775, an increase of £42,345. The annual report, with the annual statement of accounts, was approved for circulation to chemists on the London Panel.

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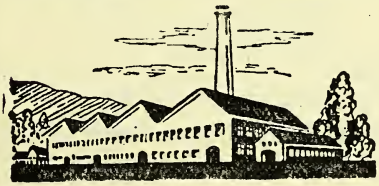

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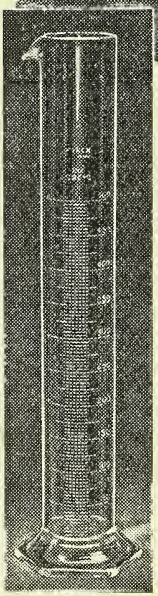


High Precision Calibrating

THE calibrating of PYREX Brand Glassware is an art in itself. Here is shown a Measuring Cylinder. Each vessel is first filled with water, and the various levels carefully marked off with a hair line. The cylinder is then waxed and the levels marked off on the wax coating.

By means of a quadrant on the graduating machine, the divisions are then sub-divided and marked off into Mls. Finally the divisions are clearly etched on the cylinder with acid, and filled in with white enamel.

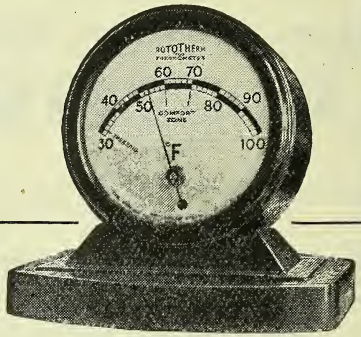
Note: For everyday laboratory work PYREX Brand Graduated Glassware is calibrated to N.P.L. Class B Standard, but for more meticulous analysis or intricate research work N.P.L. Class A can be supplied at the appropriate extra cost.

Ask for PYREX Brand and see that you get it!

PYREX
REGD TRADE MARK BRAND

GRADUATED GLASSWARE

made by
JAMES A. JOBLING & CO. LTD., Wear Glass Works, SUNDERLAND. G 54-C



Handsomely designed Table and Desk thermometers which you can sell on very profitable terms. Also Wall models in various colours.

PRICE 15/- Retail.

Rototherm
DIAL THERMOMETERS

THE BRITISH ROTOTHERM CO., LTD.
Merton Abbey, S.W.19 Tele.: Lib. 3406
and at 87 St. Vincent Street, Glasgow, C.2

Pitchfor

BOTTLES & JARS *for Sale*

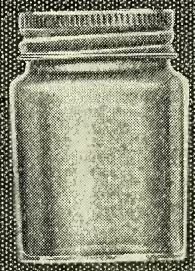
1 dram, 2 dram and 4 dram ***PERFUME BOTTLES***
3 dram ***NAIL VARNISH STYLE BOTTLES***
1-oz. and 2-oz. ***FANCY BOTTLES*** **(All the above with Black Plastic Screw Caps).**

1-oz. and 2-oz. ***SQUAT JARS*** **with Enamelled Metal Screw Caps.**

If you require any of the above, kindly let us have your enquiries by return, stating quantities wanted. We shall also be glad if you will indicate to us your requirements of any other kinds of Bottles and Jars.

RELIANCE TRADING COMPANY
13 New College Parade, Finchley Road, London, N.W.3.

"National" Service



WHITE FLINT GLASS CONTAINERS
OF EXCELLENT QUALITY BACKED UP
BY FIRST CLASS SERVICE

WHOLESALE ONLY

Restrictions outside our control may not allow us to meet every requirement

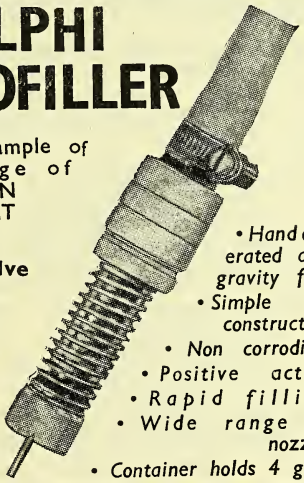
NATIONAL GLASS WORKS (YORK) LTD.

WORKS: FISHERGATE, YORK. LONDON OFFICE: 105 HATTON GARDEN, E.C.1

Telephone: York 3021 Telephone: Holborn 7146

DESIGNED BY SPECIALISTS

ADELPHI AUTOFILLER



is one example of our range of PRECISION EQUIPMENT

Let it solve YOUR BOTTLE FILLING PROBLEM

- Hand operated and gravity fed
- Simple construction
- Non corrodible
- Positive action
- Rapid filling
- Wide range of nozzles
- Container holds 4 gals.

Prompt delivery

ADELPHI Manufacturing Co. Ltd.
(Dept. C. & D.)
CHEMICAL ENGINEERS 8, ADAM STREET,
Temple Bar 4689 LONDON, W.C.2.

SURGICAL DRESSINGS

Wholesale Only

Enquiries are invited for any of the following manufactures—

Cotton Wools
Boric Acid Wool
Grey Wool
Gauze and Cotton Tissue
Absorbent Gauze
Boric Acid Gauze
Iodoform Gauze
Mercury and Zinc Cyanide Gauze
Picric Gauze
Ribbon Gauzes
Absorbent Lint
Boric Lint
Picric Lint
W.O.W. Bandages
Crepe Bandages
Domettes
Flannel
Muslin
Triangular Bandages
Fast Edge Bandages
Scandard Dressings
Merchant Ships Dressings
Neck Wools
Bacteriological Wools
First Aid Dressings

ROBERT BAILEY & SON, LTD.
SURGICAL DRESSING MANUFACTURERS
DYSART STREET, GREAT MOOR, STOCKPORT
Phone: GREAT MOOR 3006 Grams: "UNDISPUTED," STOCKPORT

Display and sell

Steadily increasing demands for Tampax are now being met by the improved supply position. This inevitably means increased sales for *you*—sales which can be helped by displaying Tampax prominently in your window and on your counter, for where women see, they buy. We shall be happy to send you on request either or both of the attractive sales aids shown above.

TAMPAX
REGISTERED TRADE MARK

Packets of 10: TRADE 15/9 doz. RETAIL 1/9 Packet.
Distributed through leading wholesalers

TAMPAX LIMITED
Sales Office: 110 Jermyn Street, London, S.W.1
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THE SURGICAL APPLIANCE SPECIALISTS

Heward's

Manufacturers of all kinds of

TRUSSES, BELTS SUSPENSORY BANDAGES HOSIERY, ETC.

The R. H. Heward Co.
CROWN ROAD WORKS
TWICKENHAM
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EXTEND YOUR TRADE
USE A TRADE MARK
CONSULT
TRADE MARK PROTECTION SOCIETY
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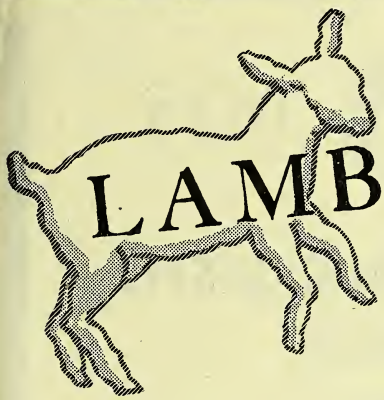
SURGICAL RUBBER GOODS

Loose and packed Lines from	24/- gross
Transparent Bottle Teats in cellophane	24/- gross
Transparent Valves in cellophane . .	18/- gross
Nylon Toothbrushes asst. from . . .	10/- doz.

ENQUIRIES INVITED
PHILIP SHRANK LTD.
3 Woodberry Grove, Finchley, London, N.12

GENUINE EGYPTIAN HENNA POWDER
(Minimum 7lb. Lots)
4/6d. per lb. nett.
LIQUORICE JUICE STICKS
(Minimum 4lb. Lots)
5/3d. per lb. nett.
Both items cash with order, carriage paid.
PROMPT DELIVERY FROM STOCK
ORDER NOW!!

The Faylene Manufacturing Company
15 Queens Court, Lower Briggate, Leeds 1
Telephone 22594



Protexit

TRADE MARK

LAMB'S WOOL

for

CHIROPODY

and other uses

PRICES PER DOZEN:

½ oz.	1 oz.	2 oz.	4 oz.	8 oz.	16 oz.
3/9	6/9	12/-	22/6	39/-	75/-

All prices subject to 33⅓ per cent Purchase Tax, with the exception of the 16 oz. size

WHOLESALE TERMS ON APPLICATION

Attractively packed in carton with transparent paper wrapping

MACDONALD & SON, LTD

DAWSON STREET, SALFORD, MANCHESTER 3

HERE'S A **CORN** REMEDY YOU CAN'T BEAT

Hobson's Choice removes Corns in 3 to 7 days, it is safe, sure and painless. Backed up by widespread advertising it has become the leading CORN CURE on the market to-day.

Hobson's Choice FEET PLAISTERS POWDERS

Retail Prices:

Plaisters - - 2d.

Powders - - 1½d.

Combination Pack - 9d.

HOBSON TRIMBLE CO., LTD.,

UNION HOUSE, LEEDS, 2

Sole distributors for Scotland:

SOUTHERN MANUFACTURING CO., LTD.,

187, St. Vincent Street, Glasgow, C.2.

SES

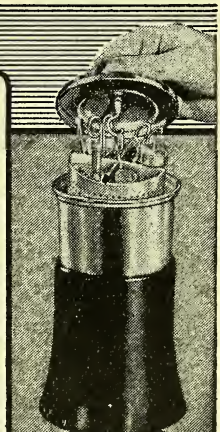
★ Electric and Non-Electric Sterilizers.

★ Hypodermic and Serum Syringes.

★ Spirit Proof Plastic Syringe Cases.

Obtainable through all Dealers and Retailers

Write for Descriptive Leaflets



'Surqualet' the most modern Electric Sterilizer

MANUFACTURED BY

Surgical Equipment Supplies Ltd

WESTFIELDS ROAD, LONDON, W.3.

1847 1947

IN PACE WITH PROGRESSIVE DEVELOPMENT

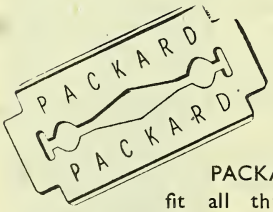
The world-wide reputation enjoyed by Ingram's products today is the result of 100 years of scientific research and constantly improving manufacturing processes.

J. G. INGRAM & SON LTD

THE LONDON INDIA RUBBER WORKS, HACKNEY WICK, E.9.

the blade with

THE PERFECT EDGE



PACKARD BLADES fit all three-hole and slotted holders.

Substantial supplies for export are now available. Particulars can be had by applying to:

STEEL PRODUCTS LTD.
CARLOW,
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Telephone: Carlow 88 Telegrams: Steel, Carlow

What! No Carboys?

In less than a generation, those once familiar chemists' trade marks, the carboys of coloured water, have faded from view. But the qualities which they expressed—good faith, expert knowledge and helpful advice—have not faded.

Just as your customers have learned to rely on you, so you have come to rely on BURGE WARREN & RIDGLEY, who have given the best possible service in spite of trading difficulties.

BURGE WARREN & RIDGLEY LTD

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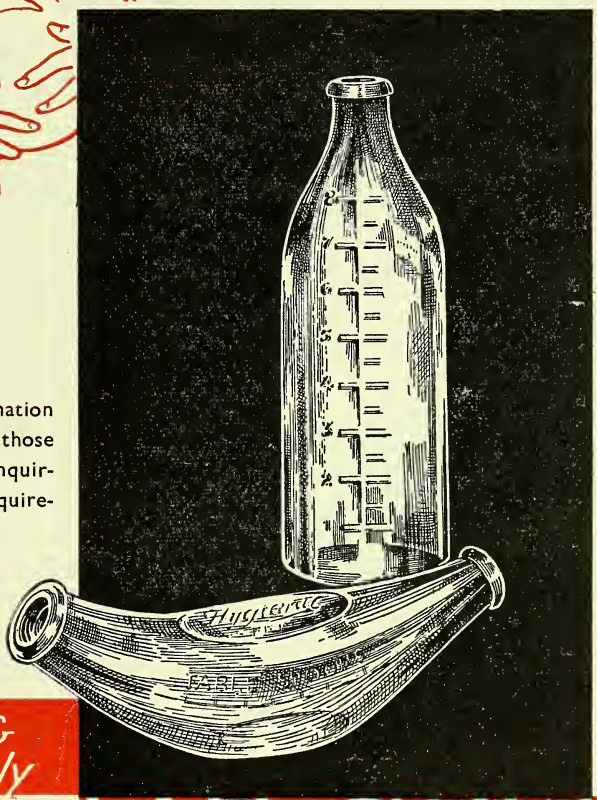
Druggists' Sundries · Toilet Requisites. Packed Pharmaceuticals · Fancy Goods etc.

F. P. ANSELL LTD., Sole Agents for Lancashire, Cheshire, and North Wales.

"A"

INFANT FEEDING BOTTLES

ESSENTIAL FOOD AND DRUG CONTAINERS, MEDICAL FLATS AND PANELS, ETC., ETC.



The essential needs of the nation still demand priority. To those planning ahead we invite enquiries for Glass Container Requirements.

Wholesale & Export Only

London Office :-
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Telephone : CITY 7170

LAX & SHAW Ltd

REGD. OFFICES : Albert Glass Works, Hunslet, LEEDS, 10
Telephone: 21568 (2 lines) **Telegrams: Feeders Phone Leeds**

PACK IN PAPER

for

HYGIENE

ECONOMY

ATTRACTION

MODERNITY

MONO

CYLINDRICAL OR TAPERED.
SNAP OR SCREW CAPS.

means BUSINESS!

MONO CONTAINERS LTD., CUMBERLAND AVE., PARK ROYAL, LONDON, N.W.10. Phone: ELGAR 4044 (8 line

The Complete Service

WASHED AND STERILIZED READY FOR USE

CORK MOUTH

FITTED KORKALITE MOULDED CAPS

FITTED ALUMINIUM CAPS

UGB

UNITED GLASS BOTTLE MANUFACTURERS LTD.

8 LEICESTER STREET, W.C.2

Tel.: GERRARD 8611 (15 Lines) (Grams: UNGLABOMAN, LESQUARE, LONDON)

Eyebaths

We make four excellent types of superlative quality and finish in White Flint, Actinic Green or deep blue glass.

THE DEMAND IS IN EXCESS OF SUPPLY, BUT EVERY EFFORT IS BEING MADE TO PROVIDE ADDITIONAL CAPACITY FOR NEW BUSINESS

WOOD BROS. GLASS Co. LTD.
BARNSLEY ESTABLISHED 1828 **YORKS.**

THERE IS ONLY ONE WINNER

when INSECTS challenge

SECTO Regd. D.D.T.

The insecticide that sells on sight and repeats on merit

Made in the Factory that supplied H.M. Government with D.D.T. products during the War

Retail Prices of SECTO D.D.T. are :—

Powder 1/3 2/6 5/6 Liquid 2/- 3/- 6/- 15/-

Usual Trade Profit Margins and Discounts

SECTO CO. LTD., BLACKBURN

ORDER DIRECT OR FROM

MANCHESTER: D. Mawdsley & Co. James Woolley Sons & Co., Ltd.
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LIVERPOOL: Ayrton, Saunders & Co. Ltd.

THE TOWN TALK POLISH CO., Manchester, 10

THE "MATER" CLINICAL REGD.

The position of the Mercury column is at once perfectly plain. Red markings above 90.4.

ALL TYPES OF CLINICAL AND OTHER THERMOMETERS

PERKEN, SON & CO. LTD.
(ESTABLISHED 1852)
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LONDON, E.C.1
Telephone: 0724 Holborn
Telegrams:
"Optimus, Smith, London"

Wholesale Agents for Clinical Thermometers:
FASSETT & JOHNSON, LTD.
86 Clerkenwell Rd. London, E.C.1

★ the first of many

new and attractive showcases and shopfittings now available from Potters (London) Ltd., NEW Dept. SC 103 Polished Oak or Mahogany Glass Counter. Glazed clear glass top, front and ends. Back enclosed by two sliding glass doors on metal tracks. Interior fitted 12″ wide plate glass shelves on laquered adjustable brackets. Wood bottom polished to desired colour. 3′ high, 2′ wide in various lengths, 3′, 4′, 5′ and 6′ from £28-10 each, no tax. Particulars of other available showcases on request. Visit the new showrooms, we promise you it will be worth while. If unable to call, write or phone your requiremen

POTTERS (LONDON) LIMITED

97-99 ST. JOHN ST., CLERKENWELL LONDON, E.C.1. Phone: CLErkenwell 21

No connection with Wm. Potter & Sons, Ltd., 160 Aldersgate Street, E.C.1

THE HOUSE-PROUD WOMAN'S CHOICE

All Leading Wholesalers Stock it

TREECE POLISH Co. Ltd., NOTTINGHAM

Manufacturers have for Sale the following Boxes:-

Up to 200,000 Plain Hinged Lid Aluminium Boxes, suitable for Tablets. Lid Enamelled Blue or Pale Green. Size $3\frac{1}{8}'' \times 2\frac{1}{8}'' \times \frac{7}{8}''$ deep @ 189/- per thousand.

Up to 200,000 Plain Hinged Lid Aluminium Boxes, suitable for Tablets. Enamelled Blue or Pale Green. Size $1\frac{15}{16}'' \times 3\frac{1}{8}'' \times \frac{1}{4}''$ deep @ 175/9 per thousand.

Up to 250,000 Plain Hinged Lid Aluminium Boxes, suitable for Tablets. Enamelled Blue or Pale Green. Size $2\frac{3}{8}'' \times 1\frac{13}{16}'' \times \frac{9}{16}''$ deep @ 141/4 per thousand.

Up to 200,000 Plain Oval Brilliantine Containers, embossed "Solidified Brilliantine," Enamelled Green, made from Aluminium @ 172/8 per thousand.

Approximately 200,000 Plain Aluminium Boxes, suitable for Pastes and Ointments, diameter $2\frac{15}{16}'' \times \frac{13}{16}''$ deep @ 154/2 per thousand.

Please apply Box No. 1/222 C. & D. Office.

SHERLEY'S always make *Regular Customers!*

To be sure of a fair share of the big, regular demand for the Sherley's preparations please order well ahead—for empty shelves can only mean disappointment. There is no treasure like a regular customer. He is the mainstay of profitable trading; a source of valuable good will. Adequate stocks of Sherley's Dog and Cat Medicines will keep the "regulars" happy and turn many a "casual" into a good friend.

SHERLEY'S DOG MEDICINES

J. F. SHERLEY & CO. LTD., 16/18 MARSHALSEA ROAD, LONDON, S.E.1

Applied Before Work

ROZALEX
REGD. BRAND

Keeps Hands Clean and Healthy

Temporary Pack—
Tins retailing at 2/1d. including Purchase Tax

★ *ALSO ROZALEX OINTMENT IN JARS 2/6 INCLUDING P.T.*

Retail discount 25%

ROZALEX LIMITED
10 Norfolk Street, MANCHESTER, 2

JOHN GOSHERON & CO LTD
GAYFORD ROAD LONDON W 12
SHE 3326 (5 lines) PW 47/14

BEECHAM GROUP

WORLD-WIDE ACTIVITIES

The nineteenth ordinary general meeting of Beecham Group Limited was held on July 30th, 1947, in London, Sir J. Stanley Holmes, M.P. (chairman and managing director), presiding.

The following is an extract from his circulated speech:—

The trading profits and sundry revenue for the year ended 31st March, 1947, earned by the companies and branches of the Beecham Group, operating in nearly every part of the world, amounted to £2,682,216, compared with £2,786,705 in the previous year. The set-back was largely accounted for by the loss of profit on home trade directly attributable to the fuel crisis in the early part of the year. The profit on export and overseas trade, which is included in the above figures, was £644,745, compared with £543,580 for the previous year.

The home sales of the company's subsidiary companies showed an increase of 8.33 per cent. over those of the previous year. The basis of the business has been continually broadened. The sales of pharmaceutical products, which comprise 32 per cent. of the company's turnover, were more than maintained, while the sales of toilets and foodstuffs showed a gratifying expansion.

The net amount available for dividend on the Deferred shares and for reserve, after paying all charges, including Preference dividends and taxation was £504,409, as against £386,326 in 1946. The directors have already paid interim dividends of 36 per cent. and recommend a final dividend of 4 per cent. For the first two months of this financial year our results show a substantial increase over those of the corresponding period of last year.

The report was adopted.

DOWNINGS
PLANE STREET MILL
OLDHAM
LANCASHIRE
TEL: MAIn 5730

SPECIALITY:—
MARIE SANITARY TOWELS
100% Pure Bleached Cotton Wool
A Postcard to the above will bring you immediate SERVICE

BESORBON SELLS ON SIGHT

Besorbon medicinal snuff is in demand all the year round as a preventive remedy for Hay Fever, Colds and Catarrh. Put this attractive display box on your counter and it will make its own sales. Supplied with all orders for dozen lots—from all registered wholesale chemists.

KEMSALES LTD
20 EASTCHEAP, LONDON E

If You're out of One Recommend the Other

In these days, when, do what we will, we cannot always cope with demand, there is an added advantage in the two Parmints.

At the moment the ready for use Parmint Linctus is in short supply. If you are temporarily out of stock, recommend your customers to take a bottle of the Parmint Concentrated Essences.

All our press advertising features both Parmints and mentions their prices.

INTERNATIONAL LABORATORIES LTD.
1/3 Smedley Street
London, S.W.8

PATA

To Pharmacists of the North-East

– if its an Ethical Proprietary try

MIDDLETON & CO. LTD. Boundary Rd. MIDDLESBROUGH

TEL. 3207

DRUGS, GALENICALS
SURGICALS, DRESSINGS
CHEMICAL AND
ANALYTICAL REAGENTS
Penicillin

SPEEDY DELIVERY IN OUR OWN VANS WHEREVER POSSIBLE

LABORATORY GLASSWARE & APPARATUS
T.S.A. LICENCE HOLDERS

WHOLESALE ONLY

Announcing

NEW FOOD CONTROLS ITS OWN DIGESTION

FEEDING for those with impaired digestion is always a difficult problem. Adequate nourishment must be provided with a minimum strain on the digestive system.

Inglis Food has been specially prepared to fulfil these two important functions.

CONTROLLED DIGESTION

All foods stimulate acid necessary for their digestion. But some produce more than they require. An over-active digestion produces an excess of acid, which can be the cause of many gastric complaints.

Inglis Food is so balanced that it does not stimulate an excessive amount of acid and absorbs what it produces—digestion is controlled.

Hospital use has shown that even patients suffering from severe digestive disorders benefit from Inglis Food.

Inglis is a highly nutritious food. It is a specially refined oat flour to which Iron, Phosphorus, Calcium, Vitamins D and B_1 have been added.

INGLIS FOOD

PREPARED FOR A. & R. SCOTT LTD., COLINTON MIDLOTHIAN, BY JOHN INGLIS & SONS LTD., EDINBURGH

3/- and 5/-
PER BOTTLE

Extensive advertising has created a customer demand for this grand family to Cash in and get your fair share of this profitable business.

NO LICENCE REQUIRED.

VIRONITA
THE FAMILY TONIC

VIRONITA IS FAST SELLING AND PROFITABL

M. CALTHORPE & COMPANY LIMITED. Manufacturing Chemists OSSE

THERE IS NOT SUFFICIENT

Beaulah's

FAMOUS MALTED MILK

For all the people who want it.

Our policy therefore is to distribute all available supplies to our Chemist Friends only.

In one popular size only at present ... 2/6

J. & J. BEAULAH LIMITED
BOSTON · LINCS.

SECOND TO NONE
Malt Extract Tablets

Sustaining sweet that dissolves in the mouth. Supplied in counter display boxes of 2 doz. RETAIL (INC. TAX) 7½D. PER TIN

ANDERSON RICHARDS & CO. LT
37 Eastcheap, London, E.C.3.

THE ANGLO-FRENCH DRUG Co. Ltd.

are glad to announce that the following products are again available :—

ACECOLEX	BIVATOL	NAIODINE
ACECOLINE	CRYOGENINE	OPO-IODAMELIS
ADREPATINE	EMGE (Lumiere)	THIONAIODINE
ALLOCHRYSINE	HYPOTAN	TULLE GRAS
ANAQUINTINE	IODAMELIS	URASEPTINE

Further particulars on request from—

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Share in the SUCCESS of the

"EERADE" V3

21 years of deaf aid experience goes along with every "Eerade" V3 . . . the scientific blessing that brings the joy of hearing to thousands, because it is the nearest thing to natural hearing. **The "Eerade" valve set is precision made of best materials by skilled craftsmen.** Its efficiency compares with the largest box type, yet fits into a vest pocket. Learn more of this profitable line . . . write for further particulars and trade terms to—

CITY EERADE CO. (1926)
(Dept. C.D.) 10 Corporation Street, Manchester, 4
Sole Selling Agencies are available in certain towns

GEDEON RICHTER (GB) Ltd.

have to announce that, owing to the higher cost of Vitamin A, the prices of **PARIVITAN** will be increased :

PARIVITAN SYRUP		PARIVITAN TABLETS	
6 ozs.	2/9 + tax -/4	30	2/6 + -/3
16 ozs.	4/2 + tax -/7	100	6/6 + -/9
40 ozs.	9/2 + tax 1/3	500	17/6 + 2/4
80 ozs.	16/3 + tax 2/2	1000	32/6 + 4/4

HALISTERIN CAPSULES

50	7/- + tax -/9
100	13/- + tax 1/5
250	22/6 + tax 3/-

Alteration to be effective immediately

Steady sales and good supplies

Extensive advertising of D.D.D. Balm — in the national' provincial and periodical press and the women's journals — is a constant reminder to a receptive public — the mothers of babies and of young children. That is why the sales of D.D.D. Balm are so steady. Supplies are now equal to demand — your wholesaler can deliver from stock.

D.D.D. Balm is specially prepared for sensitive skins. It does not sting, does not burn. It is white, non-greasy and does not stain. D.D.D. Balm quickly clears napkin rash, teething rash, chapping and chafing. D.D.D. Balm is safe and speedy for babies skin troubles.

TRADE TERMS: 16/- per dozen. Purchase Tax 2/8d. per dozen. Inclusive retail price 2/- per jar.

D.D.D. BALM

D.D.D. COMPANY LT
3 FLEET LANE, LONDON, E.

DISTRIBUTOR FOR NORTHERN IRELAND—MESSRS. J. & W. C. GAW, 30 BANKMORE ST, BELFAS
DISTRIBUTOR FOR EIRE—MESSRS. HENRY FINN & CO., LTD., CENTRAL HOTEL STOCKROOM
EXCHEQUER STREET, DUBLIN

C.V.B

CARR'S VITAMIN B_1
PREPARED WHEAT GERM

A RICH SOURCE OF VITAMIN B_1

Eaten as a cereal or sprinkled on other cereals, stewed fruit, etc.

ONLY FROM CHEMISTS

3/- per large (14 oz.) packet

TRADE:
27/- doz. Case of 2 doz. 54/-
Net Delivered Case 3/- returnable

IN VERY SHORT SUPPLY AND ON QUOTA

CARR'S FLOUR MILLS Ltd., CARLISLE

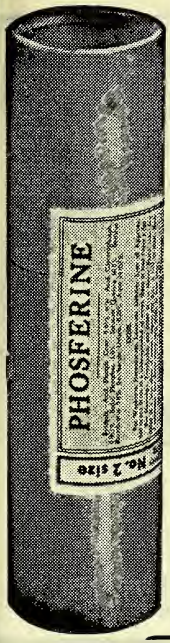
Dr. Weil's Medical Products Ltd., have pleasure in announcing that :—

BRONCHOVYDRI

(1945) LTD.

have appointed them sole distributors for their Asthma Inhalant and other Products.

Please address all enquiries to :—
Dr. Weil's Medical Products Ltd.,
12 Westwood Road,
Barnes, S.W.13



PHOSFERINE

TABLETS and LIQUID

● PHOSFERINE is a popular Tonic Medicine which has won world-wide reputation—its popularity being largely due to personal recommendation by those who have benefited by its use.

Phosferine Advertising which makes no extravagant claims consistently keeps our product before the notice of the Public.

Make sure your stocks are equal to the demand

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MORE and more Chemists are getting calls for ANTIPHLOGISTINE for a long list of common everyday conditions

P.A.T.A.

Respiratory: Chest Colds, Bronchial Irritations, Sore Throat due to colds
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Four sizes available to meet all demands.
10½ oz., 1 lb., 2 lb., 5 lb.

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THE DENVER CHEMICAL MFG. CO.
LONDON, N.W.9

Yes! prompt delivery of

WE can now promise quick delivery of Juno-Junipah in reasonable quantities. The constantly growing demand is at last equalled by our greater production and your orders will have immediate attention.

JUNO - JUNIPAH

The Woman's Own Health Salts

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in 6d. glass vials

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10d. PACKETS - **1/10** TINS

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Still Unbeatable
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Summer AND *Winter*

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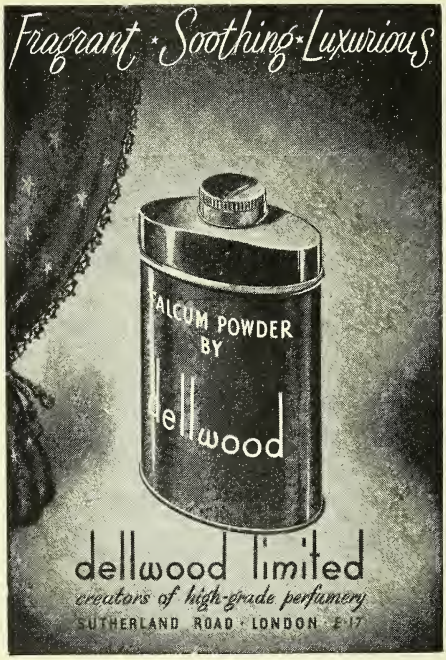

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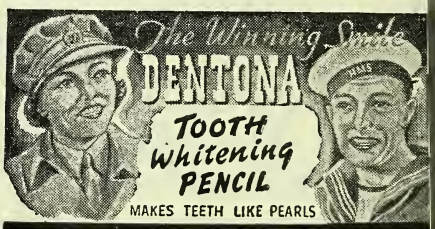

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Because it combines for the first time in a chemically stable effervescent tablet the following ingredients

★ ACETYL SALICYLIC ACID ★ SODIUM BICARBONATE ★ CITRIC ACID

This tablet dissolved in a glass of water produces a sparkling, refreshing, pleasant drink. In this form the Acetyl Salicylic Acid is more readily assimilated.

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ALKALISES, RELIEVES PAIN

AERO-PED

A SPECIFIC FOR INFECTIONS OF THE FEET

Now in TWO forms OINTMENT and POWDER

AERO-PED Ointment, containing Phenylmercuric Nitrate, is now accepted as a specific for Tinea Pedis (Athlete's Foot). The efficiency of its fungicidal action has been fully established.

AERO-PED Foot Powder is a NEW development. It destroys the causative fungus lodged in footwear and thus prevents reinfection. An invaluable complementary treatment for all mycotic infections.

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Wholesale	Retail
16/- per doz.	2/3 each
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AN EMINENTLY SATISFACTORY
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Your manufacturing, packing, bottling, despatch, etc., powders or liquids, any quantity: enquiries invited, free quotations.

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Special Offer;- Lavender Water & Eau-de-Cologne 4oz. s/c bottles @ 36/- dozen. Rhos-in-Ara Perfume 48/- dozen. Bay Rum 2oz. 18/-, 4oz. 32/- dozen. Liquid Dry Shampoo 2oz. 11/- dozen. POEM Perfume 48/- dozen. Lipstick Cases Metal screw up. 20/- dozen. Calamine Lotion N.W.F. 11/8 dozen.
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LARGE QUANTITIES BULK OR PACKED FOR IMMEDIATE DELIVERY.
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3-hole type Safety Razor Blades

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100 gross 6oz. S/C Medical flats.
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LIPSTICK BASE, NAIL VARNISH BASE, etc.
1/489 C. & D. Office

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FOR THE
S.M.C., B.O.A., and N.A.O. DIPLOMA Examination
Particulars:—
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New Bottles of all types available for earl delivery. Sizes ½ oz. to 8 ozs. Medicals an Toilets. Send full details of your requirements stating sizes and quantities to Box 164/542 C. & D. Office.

PRE-PACKING & LABELLING
(We can now accept fresh orders)
LIQUIDS: From Bulk into any size bottl from ½ oz.
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2¼" x 2¼" x ¾" in blue, green or silver enamel finish.

20/- per gross

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WE CAN OFFER SUBJECT UNSOLD:
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Write for quotation to
LAX-VITA LTD., 66 Victoria Street, London, S.W.1

Bottles Screw Cap, with Metal Caps; panell type. Available immediately in substantial quantiti in the following sizes:—
½-oz. 1-oz. 2-oz. 2½-oz. 3-oz. 4-oz. 5-oz. 6-oz.
Free delivered; cartons 6d. each.
Write for prices, stating quantities required.
1/544 C & D Offi

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(Fully Guaranteed)

56′ × 5½″ Panchromatic £3 per tin
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The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2

AUGUST 9 1947

Prevailing restrictions and heavy demand on space necessitate the holding over of a number of advertisements week by week. As normal press days are in abeyance advertisers are advised to send instructions as early as possible. Advertisements must be prepaid. Box Office Numbers 2/- extra.

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6 for 40 words or less, 2d. for every additional word

RETAIL (HOME)

ASCOTTS Pharmacies, Ltd., invite applications from pharmacists of outstanding ability who esire to take up posts as permanent branch anagers. Salary between £10 and £12 per week us bonus on profits. Pension scheme. The posi-ons offer sound prospects for advancement to men the required calibre. Only first class men need pply. Ascotts Pharmacies, Beresford Avenue, onebridge Park, N.W.10.

BRADDOCK & BAGSHAW, LTD., 37/39, Yorkshire St., Oldham, have vacancy for energetic nd enthusiastic manager (permanency) in pleasant istrict. Good salary and commission. Early inter-ew desired.

CHEMIST required for cosmetics. Opportunity for partnership. Apply A. C. Parish, 28 luseum Street, London, W.C.1.

DEAL. Assistant required mainly for dispensing, qualified or unqualified, lady or gentleman, hort hours, no extra duties, permanency if equired. Please state age, experience, salary and eferences. Sharp & Waterhouse, Ltd., 4 Victoria oad, Deal, Kent.

ENFIELD, North London. Pharmacist required to manage a good-class family business in nfield district. Scope for development. Good alary offered to competent man. No living accom-odation. Apply 1/522, C. & D. Office.

ESSEX (near London). Qualified manager for busy working-class business. Must be good rganiser, able to control stock and staff. Hard ork and good pay. Excellent prospects. Apply, /524, C. & D. Office.

HOLBORN. Lady assistant required mainly for counter in busy high-class pharmacy, permanent osition. Apply Manager, c/o, A. R. Cross (North ondon), Ltd., 240 High Holborn, London, W.C.1, r phone HOLborn 7379 for appointment.

LADY, unqualified, for clerical work in chemists' City office. Apply 146 Holborn, E.C.1.

LOCKHURST LANE, Co-operative Society require qualified male or femal assistant for entral pharmacy; permanent progressive position; 44-hour week; no Sunday or holiday duty; good alary offered; superannuation scheme in operation. Apply, stating age, experience, to Superintendent Chemist, 376 Foleshill Road, Coventry.

LONDON, W.9. Experienced pharmacist urgently required to manage a busy working-class pharmacy in West London. Brisk counter and Health Insurance dispensing. Good salary. Living accommodation available nearby. Apply 1/520, C. & D. Office.

POPLAR. Manager, qualified, required for busy pharmacy in Poplar. Good salary offered to energetic man with experience. Permanency with good prospects. Apply 1/523, C. & D. Office.

QUALIFIED manager required for good-class family dispensing business in residential area of Wimbledon, Surrey. Permanent appointment; no living accommodation. Good salary. Apply 1/525 C. & D. Office.

QUALIFIED lady or gent to manage pharmacy. Home county, growing neighbourhood, permanency. Congenial post with excellent prospects. Salary and commission. Accommodation for single applicant can be arranged. No half-day or Sunday duty. Apply with usual particulars. 1/553, C. & D. Office.

QUALIFIED chemist required for management. West End. High-class trade. Excellent prospects, salary and conditions. Write, 1/518, C. & D. Office.

QUALIFIED lady or gentleman to manage pharmacy, 44-hour week, no Sunday or half-day duties, good prospects and salary. Apply, giving full particulars, to L. S. Royds, M.P.S., 57 Liverpool Road, Higher Irlam, nr. Manchester.

SUPERINTENDENT chemist and optician required by the Wigan and District Equitable Co-operative Society, Limited, to open their new pharmacy and optical department in the Central Emporium. Applicants must have initiative and energy, with a view to expansion—44-hour week—superannuation scheme. Membership of Society 15,000. Please state age, experience, and wage required, to Wigan and District Equitable Co-operative Society, Limited, Standishgate, Wigan, to arrive not later than August 26, 1947. Envelopes to be endorsed "Pharmacist and Optician."

UNQUALIFIED assistant (male) under 40, with good all round experience, for brisk cash business near Clapham Junction. £7 weekly with bonus on profits. State age, height, details of experience, and when at liberty for interview. 1/539, C. & D. Office.

UNQUALIFIED assistant experienced in counter and dispensing. London area, good prospects. Apply 1/552, C. & D. Office.

VICTORIA. Branch manager required for mixed class pharmacy within 10 minutes of Victoria Station. Permanent appointment. Good salary. Saturday half-day. Apply 1/521, C. & D. Office.

RETAIL (OVERSEAS)

BRITISH WEST AFRICA. Qualified pharmacist with optical qualification preferred, age 25/30, required for permanent position with established British firm of chemists with branches in West African colonies. Service agreement provides for twenty months' tour, four months' leave in England on full pay. Salary commencing £550 with increments per tour to £1,000 per annum. Low income tax. Contributory pension scheme, free furnished quarters, first-class passages. Applications in writing with copies of testimonials and recent photograph, also full particulars of qualifications and experience, to Secretary, West African Drug Company, Limited, 19/23 Stanley Street, Liverpool.

LOCUMS WANTED

LONDON, W.1. Pharmacist, for one week, Sept. 29 to Oct. 4. Hours 9-6. Thursday half-day; no duties after shop hours. 1/556, C. & D. Office.

MID-SUSSEX. Locum required from August 11, Single accommodation available. Permanency if suitable, with partnership arrangement (accommodation can be offered). Telephone Royal 1431, reference PGR, or write, with full details, salary required, etc., 1/510, C. & D. Office.

QUALIFIED locum required, Aug. 11-23. Apply direct to C. Alcorn, Ltd., 42 Eastcastle Street, W.1, stating experience and wage required.

WHOLESALE

A YOUNG qualified man required as assistant to laboratory manager. Please state age, experience, and wage required. Brook, Parker & Co., Ashfield, Horton Road, Bradford. 28237.

ACTIVE and experienced representative required on commission basis (part time) to call on chemists, hairdressers, stores, etc., in (1) Manchester and Lancashire area, (2) Birmingham and Midlands, for Eclipse razor blades. Apply in writing with full particulars to James Neill & Co. (Sheffield), Ltd., Composite Steel Works, Napier Street, Sheffield.

AGENTS wanted to cover the following territories: (1) Lancashire, (2) Yorkshire, (3) Northumberland, Cumberland, Westmorland, Durham, (4) West of England, for advertised proprietory, also quick selling repeat lines. Good commission. Age and experience in first instance to 1/534, C. & D. Office.

APPLICATIONS are invited from (a) Experienced representatives to call on registered pharmacists only. (b) Young pharmacists or unqualified assistants with a good knowledge of the trade for training as representatives. Thomas Robinson, Manufacturing Chemists, Ltd., Boundary Works, Boundary Street East, Manchester, 1.

A PROGRESSIVE position is offered to male or female with initiative by West London manufacturing chemists to take charge (under supervision) of schedule poisons. Also assist works chemist in lab. routine. 1/536, C. & D. Office.

ASSISTANT required (Croydon area). Must have good knowledge of wet and dry chemicals. 1/546, C. & D. Office.

CIBA Laboratories, Ltd., Horsham, Sussex, have opening for pharmacist with good prospects of development in commercial department. Salary according to qualifications and experience. Reply to Sales Manager, giving full particulars including age and present salary.

COMPETENT stock room assemblers (unqualified) required by firm of fine chemical manufacturers. Age 21-30, Central London district. Five-day week. Pension scheme. Write stating age, experience and salary required to Box 753, L.P.E. 110, St. Martin's Lane, W.C.2.

ENTERPRISING young man required by young progressive company to call on chemists only in the Birmingham and Midland area. Not afraid of hard work. Every help given. Small salary and commission. 1/555, C. & D. Office.

EXPORT. An opportunity presents itself for a person with experience and knowledge of overseas markets for the export of chemicals and drugs, in bulk or packed. Write in first instance, with full details, to P. A., 1/530, C. & D. Office.

MANUFACTURING chemists, N.W. London, require the services of an energetic and experienced pill maker capable of taking control. Write giving details of age, experience and salary required. 1/548, C. & D. Office.

MANUFACTURING chemists require gener foreman to supervise production, packing ar despatch departments. Must be experienced supervising staff of at least 50. Some all rour experience in factory manufacturing high grac medical products is desirable. Good opportuni for conscientious, intelligent man. Write givi full particulars to 1/537, C. & D. Office.

REPRESENTATIVES required by London whol sale firm distributing to retail chemists, et Vacancies in (1) Lancs and Yorks. (2) Sussex, Hant Wilts, and Dorset. (3) Wales and (4) S.W. Englan Own car an advantage. Salary, commission, expense etc. Apply 1/526, C. & D. Office.

QUALIFIED chemist as departmental manager fo firm in North Hertfordshire district. Knov ledge and experience of the manufacture and supp of agricultural, horticultural fertilisers, insecticid and veterinary supplies. State age, qualification experience and salary required. 1/547, C. & I Office.

REPRESENTATIVES required in all districts t carry two additional lines, calling on reta chemists. Good commission offered. Should hav well-established connection. Apply 1/533, C. & I Office.

REQUIRED in laboratory of manufacturin chemists, girl with some experience of fillin glass ampoules. Apply 1/425, C. & D. Office.

SALES representatives (car owners) required b progressive firm of manufacturing chemists t call on works medical departments. Territori vacant: (a) Lancashire, (b) Yorkshire, (c) Mid lands. Essential requirements. Experienced i ethical propaganda. Wide knowledge of pharma ceutical therapy. Surgical instruments, etc. Salar commission and expenses. Applications, which wi be treated in confidence, should give full details o experience to 1/550, C. & D. Office.

TABLET maker. Experienced man required Lor don N.W. district (5-day week). Knowledg of granulating, use of single punch, also rotar machines. Permanency. Write stating age, experi ence and salary required. 1/549, C. & D. Office.

TABLET maker. Sound progressive position offere for experienced tablet maker. Able to take com plete control. Applications in writing giving fu particulars, salary, etc., to Managing Directo Howard-Taylor, Ltd., Balham High Road, S.W.12

THE BRITISH DRUG HOUSES, LTD., hav vacancies for young pharmacists (male) i their production laboratories and technical informa tion department. Apply Personnel Manager, (Ref A), B.D.H., Ltd., Graham Street, City Road, N.1

TWO unqualified men required for laboratory Please state age, experience, and wage required Brook, Parker & Co., Ashfield, Horton Road, Brad ford. 28237.

WORKS chemist: Graduate required by Londo firm of national repute to take full charge o laboratory and factory control; wide range of pro ducts. Preference given to keen, industrious youn man with thorough practical experience in al branches of the Food Trade. This is a permanen post and offers unlimited scope. Full details i confidence. 1/545, C. & D. Office.

WHOLESALE (OVERSEAS)

AUSTRALIA. Well-known proprietary medicin house require qualified chemist (M.P.S. pre ferred) for their Melbourne branch. Would b expected to learn complete manufacturing processes Knowledge of toilet lines may be an advantage. Ag 25/35. This would be permanent position and a good opportunity for the right type of man. Appl in first instance to 1/551, C. & D. Office.

ABORATORY manager wanted for large wholesale pharmaceutical manufacturing company in dney, Australia. A highly qualified pharmacist th first-class technical qualifications is essential d he must be able to control a large staff and be nversant with factory administration. Please ply in the first instance giving salary required and other details to D.H.A., 2/3 Norfolk Street, rand, London, W.C.2.

QUALIFIED chemist, experience manufacturing, by chemical wholesalers South Africa. Write x ZX329, Deacon's Advertising, 36 Leadenhall reet, E.C.3.

SITUATIONS WANTED

6 for 18 words or less, 1d. for every additional word

RETAIL (HOME)

ASSISTANT, unqualified, 52, desires change. 35 years' all round experience in dispensing, winw dressing, counter and photo; successful salesman. past preferred, but not essential. 25 years' present sition. 1/538, C. & D. Office.

QUALIFIED chemist, Northern Ireland, age 30, requires situation in England. State salary. plies to Chemist, 43 Grove Park, Bangor, Northn Ireland.

UNQUALIFIED, long experience, 5 years London front counter and dispensing, desires change ptember. 1/540, C. & D. Office.

WHOLESALE

GENTLEMAN, 38, wide experience in retail pharmacy, well educated, sales ability, seeks sition with wholesale house. Keen, adaptable, ogressive business ability. 1/557, C. & D. Office.

MEDICAL representative experienced in calling on hospitals, clinics, institutions, etc. Public hool and university education. Ex medical student. and 2nd M.B., B.Sc. Post desired with reputable use for territory south of Thames. Clean driving ence. Resident Surbiton. Details to 1/554, & D. Office.

PHARMACIST, wide experience therapeutics, manufacturing toilets and pharmaceutics, staff ntrol and sales, seeks progressive post requiring itiative and energy. 1/541, C. & D. Office.

SALES manager with extensive successful experience in all detail work connected with national area sales campaigns, now at liberty, wishes to ntact firm desiring a capable, reliable man for me or export sales. Write 1/559, C. & D. Office.

SALES manager, perfumery, cosmetics, toilet preparations, age 37, seeks change. Desires pressive position. 20 years' experience in trade. horough knowledge of export trade. Very good nnections. Willing to travel anywhere to investite conditions and promote sales in export markets. rite 1/505, C. & D. Office.

WELL - KNOWN Welsh speaking traveller desires change, high grade goods only. Full articulars in first letter. 1/542, C. & D. Office.

APPOINTMENTS

SURREY COUNTY COUNCIL

ASSISTANT PHARMACIST required at Epsom County Hospital, Dorking Road, Epsom. St. Luke's County Hospital, Guildford. Commencing salary on grade £370 x 15—£430 x 20—£450 p.a. inclusive. Applications in writing stating age, qualificatons and experience with copies of not more than three recent testimonials should be sent to the Medical Superintendent of the appropriate hospital.

BROMPTON HOSPITAL, S.W.3

Applications are invited for the post of Assistant Pharmacist.

Salary in accordance with the recommendations of Joint Negotiating Committee. Federated Superannuation Scheme in force.

Applications, stating age and previous experience, and accompanied by copies of three recent testimonials, must reach the undersigned not later than Saturday, 16th August.

F. G. ROUVRAY, House Governor.

HOME OFFICE

Applications are invited for appointment as INSPECTOR under the Dangerous Drugs Acts. The duties of Inspectors under the Dangerous Drugs Acts include visiting of premises of licensees and other authorised persons for the purpose of ensuring compliance with the provisions of the Acts and Regulations. They are required to maintain close contact with police forces and officers of H.M. Customs in the suppression of the illicit traffic in drugs; to deal with questions arising on the licensing system and the application of the Acts and Regulations; and to prepare reports and statistics furnished to the United Nations in pursuance of the International Conventions relating to opium and other dangerous drugs.

The successful candidate would be stationed in London but would be required to travel to all parts of the country in the normal course of duty. Possession of a motor car is an advantage.

Candidates should hold a university degree—preferably in Science—and have a good working knowledge of at least one foreign language. A knowledge of Spanish is useful but not essential. Preference will be given to candidates who are under 30 years of age on 1st July, 1947.

The salary scale for a man will be £400 (age 25 or under); £425 (age 26); £450 (age 27); £475 (age 28); £500 (age 29 or over), by annual increments of £25 to £850; for a woman the salary would be somewhat lower. The post is permanent and pensionable in accordance with the general rules governing the grant of pensions in the Civil Service, and is subject to one year's probation.

Forms of application may be obtained from the Secretary, Civil Service Commission, 6 Burlington Gardens, London, W.1, quoting number 1958. Completed application forms must be received at the Commission not later than 16th September, 1947.

MIDDLESEX COUNTY COUNCIL

REGISTERED ASSISTANT PHARMACIST for REDHILL COUNTY HOSPITAL, Edgware, Middlesex. J.N.C. (Hospital Staffs) salary £370 inclusive; annual increments up to £450 p.a. considered. Similar experience may determine commencing salary. Whole-time, established, pensionable, subject to medical examination. Application, stating age, qualifications, experience, with copies of up to three recent testimonials to MEDICAL DIRECTOR, of Hospital, by 16th August. No forms. (Quoting C 369 CD.)

C. W. RADCLIFFE,
Clerk of the County Council.

Middlesex Guildhall,
S.W.1.

THE WEIR HOSPITAL, WEIR ROAD, BALHAM, S.W.12

DISPENSER required for holiday duty, 1-6 September (inclusive). Non-resident. Apply to the Secretary-Superintendent.

BRADFORD ROYAL INFIRMARY
(498 Beds)

Applications are invited for the post of ASSISTANT PHARMACIST. J.N.C. Scale of salaries, according to experience. Federated Superannuation Scheme in force.

Applications, giving age, qualifications and full experience, together with copies of recent testimonials should be sent to the House Governor and Secretary.

ESSEX COUNTY HOSPITAL, COLCHESTER

Applications are invited for the post of ASSISTANT DISPENSER, male or female. Hall qualification. Salary £270-£320. Applications with copies of testimonials should be sent to the Secretary.

BUSINESS OPPORTUNITIES

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MANUFACTURERS of high quality nationally advertised shaving requisites are launching big bonus offer, giving 112 per cent. profit to chemists, hairdressers, ironmongers, tobacconists, grocers, newsagents, stores, co-ops, etc. As manufacturers' own representatives are unable to cover the entire country in the limited time, first class representatives working on commission are invited to co-operate in this profitable scheme. Address enquiries to 1/543 C. & D. Office.

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MISCELLANEOUS SALES

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FIVE "Doulton" make cream glazed stoneware percolators, two gallon top and two gallon bottom section, 52/6 each. Fire ground-in Type A taps, ½-inch, at 15/6 each. Never been used, bought for export, order cancelled. Apply 47/49 The Highway, London, E.1. Royal 3526.

PINE Oil Sylvestris, 17s. 6d. lb. in 28 lb. lots. Write to Box 906, c/o George Murray (Advertising), Ltd., 184 Strand, London, W.C.2.

SURPLUS stock: 200 gr. ½-oz. squat fancy jar 200 gr. 4 dr. watch bottles and 200 gr. 1 d square bottles with bakelite caps, new, also surpl quantities of second-hand bottles and jars, ar offer. 1/558, C. & D. Office.

SURPLUS technical white oil, Pool 30, B.P odourless, at 9s. per gallon in 45-gallon drum Drums and carriage free. Write to 27 Thornla Road, West Norwood, London, S.E.27.

4 CWT. cananga oil, Java, to clear, also 56 l vertivert oil. Offers to Box 905, c/o Georg Murray (Advertising), Ltd., 184 Strand, Londo W.C.2.

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ACTIVELY interested in all your surplus mach nery. Price given on inspection and immedia settlement if purchased. 1/474, C. & D. Office.

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